

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022425\
 Data File : VY021302.D
 Acq On : 24 Feb 2025 15:52
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Quant Time: Feb 25 01:22:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022425S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 25 01:17:25 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	144417	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	227080	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	197822	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	99363	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	28998	18.885	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	37.780%#
35) Dibromofluoromethane	7.634	113	27379	18.865	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	37.740%#
50) Toluene-d8	10.103	98	97416	18.324	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	36.640%#
62) 4-Bromofluorobenzene	12.408	95	34176	18.614	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	37.220%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.861	85	19660	20.197	ug/l	98
3) Chloromethane	2.068	50	18723	14.988	ug/l	95
4) Vinyl Chloride	2.202	62	21104	16.516	ug/l	95
5) Bromomethane	2.586	94	13755	15.784	ug/l	96
6) Chloroethane	2.726	64	15036	17.252	ug/l	99
7) Trichlorofluoromethane	3.050	101	38751	18.214	ug/l	99
8) Diethyl Ether	3.458	74	12402	18.856	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	24840	19.406	ug/l	99
10) Methyl Iodide	3.994	142	18351	15.236	ug/l	99
11) Tert butyl alcohol	4.848	59	14377	111.453	ug/l	96
12) 1,1-Dichloroethene	3.781	96	19012	17.522	ug/l	98
13) Acrolein	3.653	56	8798	99.846	ug/l	94
14) Allyl chloride	4.379	41	35441	17.658	ug/l	100
15) Acrylonitrile	5.055	53	31939	101.691	ug/l	99
16) Acetone	3.860	43	26147	90.978	ug/l	96
17) Carbon Disulfide	4.110	76	26181	10.317	ug/l	98
18) Methyl Acetate	4.385	43	16031	18.529	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	69351	20.165	ug/l	100
20) Methylene Chloride	4.616	84	25784	18.375	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	19876	16.732	ug/l	99
22) Diisopropyl ether	6.012	45	95654	20.189	ug/l	96
23) Vinyl Acetate	5.958	43	255881	96.831	ug/l	99
24) 1,1-Dichloroethane	5.909	63	50106	19.370	ug/l	99
25) 2-Butanone	6.896	43	43201	98.001	ug/l	96
26) 2,2-Dichloropropane	6.884	77	47364	19.606	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	29031	18.716	ug/l	98
28) Bromochloromethane	7.244	49	20740	17.744	ug/l	99
29) Tetrahydrofuran	7.262	42	26872	97.807	ug/l	99
30) Chloroform	7.415	83	54469	19.987	ug/l	99
31) Cyclohexane	7.701	56	31432	15.755	ug/l #	91
32) 1,1,1-Trichloroethane	7.610	97	47325	19.456	ug/l	100
36) 1,1-Dichloropropene	7.835	75	30846	17.575	ug/l	99
37) Ethyl Acetate	6.982	43	19229	19.499	ug/l	98
38) Carbon Tetrachloride	7.817	117	41320	19.036	ug/l	94
39) Methylcyclohexane	9.109	83	31608	15.562	ug/l	97
40) Benzene	8.073	78	99460	18.240	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022425\
 Data File : VY021302.D
 Acq On : 24 Feb 2025 15:52
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Quant Time: Feb 25 01:22:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022425S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 25 01:17:25 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	10808	20.590	ug/l	96
42) 1,2-Dichloroethane	8.158	62	31433	18.877	ug/l	99
43) Isopropyl Acetate	8.195	43	39542	19.911	ug/l	100
44) Trichloroethene	8.866	130	24730	18.138	ug/l	99
45) 1,2-Dichloropropane	9.140	63	27694	19.483	ug/l	100
46) Dibromomethane	9.231	93	14615	18.794	ug/l	99
47) Bromodichloromethane	9.420	83	42857	19.816	ug/l	99
48) Methyl methacrylate	9.225	41	17084	18.931	ug/l	95
49) 1,4-Dioxane	9.231	88	3815	431.063	ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	107496	101.830	ug/l	98
52) Toluene	10.170	92	64569	18.565	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	36992	19.022	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	41695	18.885	ug/l	96
55) 1,1,2-Trichloroethane	10.566	97	21858	20.229	ug/l	97
56) Ethyl methacrylate	10.438	69	27032	19.153	ug/l	99
57) 1,3-Dichloropropane	10.713	76	35885	19.610	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	68048	96.221	ug/l	100
59) 2-Hexanone	10.762	43	69121	99.891	ug/l	100
60) Dibromochloromethane	10.908	129	30244	20.512	ug/l	100
61) 1,2-Dibromoethane	11.012	107	18412	19.125	ug/l	100
64) Tetrachloroethene	10.646	164	22191	18.016	ug/l	98
65) Chlorobenzene	11.438	112	75985	19.369	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	30368	20.674	ug/l	98
67) Ethyl Benzene	11.518	91	131074	19.061	ug/l	100
68) m/p-Xylenes	11.627	106	96666	37.908	ug/l	99
69) o-Xylene	11.950	106	47178	19.233	ug/l	99
70) Styrene	11.969	104	82834	19.910	ug/l	99
71) Bromoform	12.133	173	17945	20.953	ug/l #	98
73) Isopropylbenzene	12.255	105	132119	19.685	ug/l	100
74) N-amyl acetate	12.066	43	35893	20.240	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	26439	20.916	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	18817m	20.453	ug/l	
77) Bromobenzene	12.530	156	31181	19.585	ug/l	99
78) n-propylbenzene	12.597	91	162063	19.876	ug/l	100
79) 2-Chlorotoluene	12.676	91	92809	19.787	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	110221	19.963	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	8670	20.497	ug/l	97
82) 4-Chlorotoluene	12.779	91	96383	19.757	ug/l	99
83) tert-Butylbenzene	12.999	119	105345	20.506	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	112902	20.293	ug/l	99
85) sec-Butylbenzene	13.176	105	148605	20.066	ug/l	99
86) p-Isopropyltoluene	13.292	119	126076	20.343	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	64982	20.044	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	64444	20.154	ug/l	98
89) n-Butylbenzene	13.615	91	119362	20.200	ug/l	100
90) Hexachloroethane	13.883	117	26883	20.232	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	58385	20.418	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	4271	20.617	ug/l	90
93) 1,2,4-Trichlorobenzene	14.919	180	34098	19.924	ug/l	98
94) Hexachlorobutadiene	15.023	225	22663	20.266	ug/l	100
95) Naphthalene	15.145	128	55286	19.483	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	28942	19.698	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022425\
Data File : VY021302.D
Acq On : 24 Feb 2025 15:52
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Quant Time: Feb 25 01:22:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022425S.M
Quant Title : SW846 8260
QLast Update : Tue Feb 25 01:17:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

(#) = qualifier out of range (m) = manual integration (+) = signals summed

