

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122022\
 Data File : VY011924.D
 Acq On : 20 Dec 2022 15:59
 Operator : KP/MD
 Sample : VY1220SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1220SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 12/21/2022
 Supervised By :Mahesh Dadoda 12/21/2022

Quant Time: Dec 21 00:09:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:37:37 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	224170	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	347291	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	313905	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	158009	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	113432	50.225	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.460%	
35) Dibromofluoromethane	7.716	113	102317	48.937	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.880%	
50) Toluene-d8	10.179	98	422035	49.752	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 99.500%	
62) 4-Bromofluorobenzene	12.483	95	141096	49.456	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 98.920%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	23250	14.829	ug/l	98
3) Chloromethane	2.113	50	31092	15.584	ug/l	98
4) Vinyl Chloride	2.253	62	35249	16.021	ug/l	99
5) Bromomethane	2.643	94	28200	18.015	ug/l	99
6) Chloroethane	2.790	64	24673	17.156	ug/l	98
7) Trichlorofluoromethane	3.125	101	70367	18.269	ug/l	95
8) Diethyl Ether	3.527	74	22397	18.846	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.905	101	40530	19.115	ug/l	99
10) Methyl Iodide	4.094	142	49027	16.712	ug/l	97
11) Tert butyl alcohol	4.948	59	24745	88.937	ug/l	97
12) 1,1-Dichloroethene	3.875	96	39863	18.795	ug/l	99
13) Acrolein	3.728	56	24164	114.457	ug/l	100
14) Allyl chloride	4.478	41	58236	18.646	ug/l	95
15) Acrylonitrile	5.161	53	55572	100.524	ug/l	99
16) Acetone	3.948	43	47985	74.652	ug/l	97
17) Carbon Disulfide	4.198	76	118851	17.567	ug/l	98
18) Methyl Acetate	4.478	43	31133	19.950	ug/l	97
19) Methyl tert-butyl Ether	5.222	73	108595	19.956	ug/l	98
20) Methylene Chloride	4.716	84	59828	19.326	ug/l	93
21) trans-1,2-Dichloroethene	5.216	96	45305	18.800	ug/l	95
22) Diisopropyl ether	6.118	45	125298	20.369	ug/l	97
23) Vinyl Acetate	6.063	43	360080	101.743	ug/l	97
24) 1,1-Dichloroethane	6.015	63	78768	19.700	ug/l	99
25) 2-Butanone	6.984	43	69779	92.753	ug/l	96
26) 2,2-Dichloropropane	6.984	77	74417	19.020	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	51280	19.674	ug/l	99
28) Bromochloromethane	7.331	49	21587	19.674	ug/l	95
29) Tetrahydrofuran	7.350	42	44453	104.291	ug/l	98
30) Chloroform	7.502	83	86697	20.117	ug/l	98
31) Cyclohexane	7.789	56	71752	18.872	ug/l	93
32) 1,1,1-Trichloroethane	7.703	97	80450	19.626	ug/l	99
36) 1,1-Dichloropropene	7.917	75	64177	19.136	ug/l	99
37) Ethyl Acetate	7.075	43	30175	20.055	ug/l	98
38) Carbon Tetrachloride	7.905	117	74341	19.193	ug/l	97
39) Methylcyclohexane	9.185	83	78033	19.337	ug/l	98
40) Benzene	8.161	78	186738	19.457	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	15219m	20.917	ug/l	
42) 1,2-Dichloroethane	8.234	62	55468	20.076	ug/l	99
43) Isopropyl Acetate	8.270	43	55830	20.317	ug/l	99
44) Trichloroethene	8.941	130	51864	19.172	ug/l	99
45) 1,2-Dichloropropane	9.215	63	44035	19.858	ug/l	98
46) Dibromomethane	9.307	93	25543	19.997	ug/l	99
47) Bromodichloromethane	9.496	83	63834	19.698	ug/l	97
48) Methyl methacrylate	9.295	41	24971	19.626	ug/l	95
49) 1,4-Dioxane	9.295	88	6018	394.609	ug/l	96
51) 4-Methyl-2-Pentanone	10.069	43	151916	103.676	ug/l	99
52) Toluene	10.246	92	123078	20.128	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	66012	20.160	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	74143	20.144	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	36825	20.316	ug/l	95
56) Ethyl methacrylate	10.508	69	47182	20.559	ug/l	98
57) 1,3-Dichloropropane	10.788	76	61502	20.332	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	89662	101.247	ug/l	96
59) 2-Hexanone	10.831	43	106269	98.581	ug/l	99
60) Dibromochloromethane	10.983	129	47562	20.829	ug/l	97
61) 1,2-Dibromoethane	11.087	107	34132	20.127	ug/l	99
64) Tetrachloroethene	10.721	164	53839	19.595	ug/l	98
65) Chlorobenzene	11.514	112	128805	19.762	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	48659	20.065	ug/l	99
67) Ethyl Benzene	11.593	91	234081	19.868	ug/l	100
68) m/p-Xylenes	11.703	106	182047	39.732	ug/l	99
69) o-Xylene	12.032	106	86433	20.274	ug/l	98
70) Styrene	12.044	104	143446	20.039	ug/l	99
71) Bromoform	12.209	173	29493	20.525	ug/l #	98
73) Isopropylbenzene	12.331	105	233592	19.922	ug/l	99
74) N-amyl acetate	12.142	43	49154	20.448	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	40044	20.472	ug/l	100
76) 1,2,3-Trichloropropane	12.635	75	32063m	16.307	ug/l	
77) Bromobenzene	12.611	156	54402	20.055	ug/l	97
78) n-propylbenzene	12.672	91	282241	20.026	ug/l	100
79) 2-Chlorotoluene	12.757	91	156899	19.805	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	201868	20.109	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	14724	20.508	ug/l	97
82) 4-Chlorotoluene	12.855	91	166091	20.262	ug/l	100
83) tert-Butylbenzene	13.074	119	169985	19.980	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	199661	20.217	ug/l	98
85) sec-Butylbenzene	13.251	105	256205	20.167	ug/l	98
86) p-Isopropyltoluene	13.367	119	217270	20.268	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	107760	19.753	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	107279	19.781	ug/l	99
89) n-Butylbenzene	13.696	91	196263	20.225	ug/l	99
90) Hexachloroethane	13.958	117	41304	20.194	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	95238	20.025	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6982	20.770	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	57910	20.699	ug/l	97
94) Hexachlorobutadiene	15.111	225	37182	20.568	ug/l	99
95) Naphthalene	15.232	128	106400	20.046	ug/l	99
96) 1,2,3-Trichlorobenzene	15.421	180	48247	20.397	ug/l	98

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

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