

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081022\
 Data File : VY009952.D
 Acq On : 10 Aug 2022 15:46
 Operator : KP/MD
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/11/2022
 Supervised By :Semsettin Yesilyurt 08/11/2022

Quant Time: Aug 10 17:03:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081022S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 10 17:00:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.777	168	73930	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	124976	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	119472	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	55059	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	15799	23.286	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	46.580%#		
35) Dibromofluoromethane	7.704	113	15686	22.970	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	45.940%#		
50) Toluene-d8	10.173	98	62611	25.963	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	51.920%		
62) 4-Bromofluorobenzene	12.477	95	20201	21.070	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	42.140%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	14749	23.631	ug/l	97
3) Chloromethane	2.101	50	14497	19.287	ug/l	97
4) Vinyl Chloride	2.241	62	15028	19.212	ug/l	100
5) Bromomethane	2.631	94	9912	18.434	ug/l	97
6) Chloroethane	2.771	64	10575	21.835	ug/l	97
7) Trichlorofluoromethane	3.107	101	29128	22.215	ug/l	99
8) Diethyl Ether	3.515	74	10671	22.828	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.881	101	17849	23.253	ug/l	94
10) Methyl Iodide	4.076	142	20309	23.192	ug/l	97
11) Tert butyl alcohol	4.948	59	7360	89.823	ug/l #	89
12) 1,1-Dichloroethene	3.857	96	17089	23.904	ug/l	96
13) Acrolein	3.716	56	10126	375.642	ug/l	97
14) Allyl chloride	4.460	41	27540	21.028	ug/l	98
15) Acrylonitrile	5.149	53	25879	104.642	ug/l	98
16) Acetone	3.942	43	18779	94.144	ug/l	97
17) Carbon Disulfide	4.174	76	56882	25.154	ug/l	100
18) Methyl Acetate	4.460	43	12974	18.475	ug/l	100
19) Methyl tert-butyl Ether	5.204	73	42183	21.345	ug/l	97
20) Methylene Chloride	4.698	84	22008	16.352	ug/l	97
21) trans-1,2-Dichloroethene	5.204	96	18985	23.307	ug/l	96
22) Diisopropyl ether	6.106	45	59321	21.506	ug/l	98
23) Vinyl Acetate	6.045	43	181623	105.791	ug/l	98
24) 1,1-Dichloroethane	6.003	63	32548	21.731	ug/l	98
25) 2-Butanone	6.978	43	32346	96.790	ug/l	99
26) 2,2-Dichloropropane	6.966	77	25978	20.237	ug/l	97
27) cis-1,2-Dichloroethene	6.972	96	20289	21.895	ug/l	98
28) Bromochloromethane	7.319	49	13637	24.835	ug/l	93
29) Tetrahydrofuran	7.338	42	22624	102.518	ug/l	96
30) Chloroform	7.496	83	32337	21.460	ug/l	99
31) Cyclohexane	7.777	56	32138	22.346	ug/l #	89
32) 1,1,1-Trichloroethane	7.691	97	27134	21.368	ug/l	98
36) 1,1-Dichloropropene	7.905	75	25924	22.459	ug/l	98
37) Ethyl Acetate	7.063	43	14584	19.421	ug/l	99
38) Carbon Tetrachloride	7.892	117	24330	21.383	ug/l	99
39) Methylcyclohexane	9.179	83	30670	22.537	ug/l	98
40) Benzene	8.149	78	76774	22.175	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	6811	16.576	ug/l #	100
42) 1,2-Dichloroethane	8.228	62	19971	20.892	ug/l	97
43) Isopropyl Acetate	8.264	43	26259	19.726	ug/l	99
44) Trichloroethene	8.929	130	19063	21.239	ug/l	93
45) 1,2-Dichloropropane	9.209	63	19221	21.447	ug/l	98
46) Dibromomethane	9.295	93	10701	21.392	ug/l	94
47) Bromodichloromethane	9.490	83	24089	20.998	ug/l	99
48) Methyl methacrylate	9.289	41	11277	19.020	ug/l	99
49) 1,4-Dioxane	9.295	88	2412	434.125	ug/l	95
51) 4-Methyl-2-Pentanone	10.063	43	72901	99.097	ug/l	99
52) Toluene	10.240	92	47707	22.190	ug/l	99
53) t-1,3-Dichloropropene	10.459	75	24408	20.285	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	28420	20.681	ug/l	94
55) 1,1,2-Trichloroethane	10.636	97	15634	21.668	ug/l	95
56) Ethyl methacrylate	10.508	69	18923	20.368	ug/l	97
57) 1,3-Dichloropropane	10.788	76	25711	21.255	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	50598	114.190	ug/l	97
59) 2-Hexanone	10.825	43	49720	99.506	ug/l	99
60) Dibromochloromethane	10.977	129	17282	20.794	ug/l	99
61) 1,2-Dibromoethane	11.081	107	13730	20.080	ug/l	96
64) Tetrachloroethene	10.715	164	17855	20.180	ug/l	94
65) Chlorobenzene	11.514	112	51945	21.703	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.587	131	18479	21.218	ug/l	97
67) Ethyl Benzene	11.587	91	88869	21.253	ug/l	96
68) m/p-Xylenes	11.697	106	65882	40.758	ug/l	94
69) o-Xylene	12.026	106	30137	19.997	ug/l	99
70) Styrene	12.038	104	51332	19.775	ug/l	99
71) Bromoform	12.203	173	10838	20.369	ug/l #	97
73) Isopropylbenzene	12.325	105	77253	20.660	ug/l	100
74) N-amyl acetate	12.142	43	24992	20.913	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	17650	20.734	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	11952m	19.779	ug/l	
77) Bromobenzene	12.605	156	19035	21.207	ug/l	90
78) n-propylbenzene	12.666	91	100636	21.245	ug/l	99
79) 2-Chlorotoluene	12.751	91	56163	21.160	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	66912	21.397	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	5710	19.019	ug/l	98
82) 4-Chlorotoluene	12.849	91	59041	21.140	ug/l	97
83) tert-Butylbenzene	13.074	119	58105	21.677	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	66063	21.588	ug/l	98
85) sec-Butylbenzene	13.251	105	86912	21.051	ug/l	98
86) p-Isopropyltoluene	13.367	119	69892	20.894	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	37666	20.962	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	38497	21.081	ug/l	98
89) n-Butylbenzene	13.696	91	72385	22.083	ug/l	96
90) Hexachloroethane	13.958	117	15175	21.664	ug/l	84
91) 1,2-Dichlorobenzene	13.739	146	35948	22.038	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	2741	20.432	ug/l	87
93) 1,2,4-Trichlorobenzene	15.001	180	18483	19.903	ug/l	98
94) Hexachlorobutadiene	15.111	225	10753	20.578	ug/l	98
95) Naphthalene	15.233	128	37484	19.395	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	16899	20.522	ug/l	98

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

