

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081022\
 Data File : VY009954.D
 Acq On : 10 Aug 2022 16:32
 Operator : KP/MD
 Sample : VSTDIC075
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

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

Quant Time: Aug 10 17:10:33 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	7.783	168	77794	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	134826	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	119246	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	61120	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	43569	61.026	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.060%			
35) Dibromofluoromethane	7.710	113	50154	68.077	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 136.160%			
50) Toluene-d8	10.173	98	158552	60.944	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 121.880%			
62) 4-Bromofluorobenzene	12.477	95	76869	74.318	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 148.640%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.894	85	44752	68.141	ug/l	99
3) Chloromethane	2.101	50	46386	58.648	ug/l	96
4) Vinyl Chloride	2.241	62	48859	59.359	ug/l	100
5) Bromomethane	2.631	94	35939	63.518	ug/l	99
6) Chloroethane	2.778	64	31651	62.105	ug/l	99
7) Trichlorofluoromethane	3.107	101	101703	73.714	ug/l	98
8) Diethyl Ether	3.515	74	40793	82.931	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.881	101	63386	78.477	ug/l	95
10) Methyl Iodide	4.070	142	82144	89.144	ug/l	98
11) Tert butyl alcohol	4.948	59	28057	325.406	ug/l #	94
12) 1,1-Dichloroethene	3.857	96	65751	87.405	ug/l	96
13) Acrolein	3.716	56	43924	1548.505	ug/l	97
14) Allyl chloride	4.460	41	111567	80.956	ug/l	97
15) Acrylonitrile	5.149	53	102816	395.090	ug/l	99
16) Acetone	3.936	43	70026	333.622	ug/l	92
17) Carbon Disulfide	4.174	76	212155	89.156	ug/l	98
18) Methyl Acetate	4.460	43	49360	66.799	ug/l	96
19) Methyl tert-butyl Ether	5.204	73	177776	85.487	ug/l	99
20) Methylene Chloride	4.698	84	77464	54.698	ug/l	96
21) trans-1,2-Dichloroethene	5.198	96	75645	88.254	ug/l	96
22) Diisopropyl ether	6.106	45	234463	80.779	ug/l	99
23) Vinyl Acetate	6.045	43	750182	415.260	ug/l	98
24) 1,1-Dichloroethane	6.003	63	129077	81.900	ug/l	99
25) 2-Butanone	6.972	43	125727	357.530	ug/l	98
26) 2,2-Dichloropropane	6.966	77	104502	77.365	ug/l	98
27) cis-1,2-Dichloroethene	6.972	96	82353	84.456	ug/l	98
28) Bromochloromethane	7.326	49	54343	94.050	ug/l	99
29) Tetrahydrofuran	7.338	42	87964	378.802	ug/l	99
30) Chloroform	7.496	83	128261	80.890	ug/l	95
31) Cyclohexane	7.771	56	121455	80.254	ug/l	99
32) 1,1,1-Trichloroethane	7.691	97	108138	80.928	ug/l	98
36) 1,1-Dichloropropene	7.905	75	100901	81.030	ug/l	99
37) Ethyl Acetate	7.063	43	59884	73.919	ug/l	100
38) Carbon Tetrachloride	7.893	117	95820	78.061	ug/l	100
39) Methylcyclohexane	9.179	83	124469	84.779	ug/l	97
40) Benzene	8.149	78	306263	81.995	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	38704m	87.310	ug/l	
42) 1,2-Dichloroethane	8.228	62	79603	77.188	ug/l	98
43) Isopropyl Acetate	8.264	43	107912	75.144	ug/l	100
44) Trichloroethene	8.929	130	78786	81.365	ug/l	95
45) 1,2-Dichloropropane	9.209	63	76490	79.112	ug/l	95
46) Dibromomethane	9.301	93	43081	79.829	ug/l	96
47) Bromodichloromethane	9.490	83	98582	79.655	ug/l	98
48) Methyl methacrylate	9.289	41	49230	76.966	ug/l	96
49) 1,4-Dioxane	9.289	88	9043	1508.700	ug/l	98
51) 4-Methyl-2-Pentanone	10.063	43	294846	371.513	ug/l	100
52) Toluene	10.240	92	190641	82.196	ug/l	98
53) t-1,3-Dichloropropene	10.459	75	105391	81.191	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	120711	81.421	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	61981	79.628	ug/l	97
56) Ethyl methacrylate	10.508	69	86850	86.652	ug/l	99
57) 1,3-Dichloropropane	10.782	76	103832	79.567	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	214370	448.447	ug/l	98
59) 2-Hexanone	10.825	43	201496	373.799	ug/l	98
60) Dibromochloromethane	10.977	129	70409	78.528	ug/l	100
61) 1,2-Dibromoethane	11.081	107	58751	79.645	ug/l	99
64) Tetrachloroethene	10.715	164	70062	79.335	ug/l	96
65) Chlorobenzene	11.514	112	195952	82.026	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	69876	80.384	ug/l	98
67) Ethyl Benzene	11.587	91	347935	83.368	ug/l	98
68) m/p-Xylenes	11.697	106	277300	171.879	ug/l	95
69) o-Xylene	12.026	106	130491	86.751	ug/l	95
70) Styrene	12.038	104	223187	86.144	ug/l	99
71) Bromoform	12.203	173	43054	81.070	ug/l #	98
73) Isopropylbenzene	12.325	105	337074	81.207	ug/l	99
74) N-amyl acetate	12.142	43	105946	79.862	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	72174	76.379	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	50306m	74.996	ug/l	
77) Bromobenzene	12.605	156	79835	80.124	ug/l	90
78) n-propylbenzene	12.666	91	433862	82.509	ug/l	97
79) 2-Chlorotoluene	12.751	91	240903	81.761	ug/l	97
80) 1,3,5-Trimethylbenzene	12.806	105	282936	81.505	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	26729	80.200	ug/l	94
82) 4-Chlorotoluene	12.849	91	247142	79.716	ug/l	97
83) tert-Butylbenzene	13.075	119	245391	82.470	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	279013	82.133	ug/l	98
85) sec-Butylbenzene	13.251	105	383498	83.676	ug/l	98
86) p-Isopropyltoluene	13.367	119	308671	83.127	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	158279	79.352	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	159762	78.809	ug/l	99
89) n-Butylbenzene	13.690	91	296845	81.582	ug/l	98
90) Hexachloroethane	13.959	117	59323	76.293	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	140639	77.668	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	11044	74.160	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	79966	77.572	ug/l	99
94) Hexachlorobutadiene	15.111	225	42937	74.020	ug/l	100
95) Naphthalene	15.233	128	185689	86.552	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	72477	79.287	ug/l	98

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

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