

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051922\
 Data File : VD073163.D
 Acq On : 20 May 2022 02:59
 Operator : VA/SY
 Sample : N2842-11MSD
 Misc : 5.13G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P016-SS005-0006-01MSD

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/24/2022
 Supervised By :Mahesh Dadoda 05/24/2022

Quant Time: May 20 04:24:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	17110	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	37130	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	43888	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	21333	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	28606	151.283	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 302.560%#			
35) Dibromofluoromethane	7.914	113	19309	78.810	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 157.620%#			
50) Toluene-d8	10.332	98	51089	56.567	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 113.140%			
62) 4-Bromofluorobenzene	12.620	95	19892	62.759	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 125.520%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	5980	34.977	ug/l	75
3) Chloromethane	2.203	50	10157	52.539	ug/l	95
4) Vinyl Chloride	2.344	62	7858	44.451	ug/l	95
5) Bromomethane	2.773	94	8256	74.855	ug/l	98
6) Chloroethane	2.926	64	7169	65.968	ug/l	93
7) Trichlorofluoromethane	3.273	101	13154	42.082	ug/l	86
8) Diethyl Ether	3.703	74	12936	150.605	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.085	101	7937	42.556	ug/l #	45
10) Methyl Iodide	4.308	142	8844	43.951	ug/l #	95
11) Tert butyl alcohol	5.220	59	24012	818.481	ug/l #	91
12) 1,1-Dichloroethene	4.067	96	8430	49.026	ug/l #	77
14) Allyl chloride	4.703	41	20440	73.643	ug/l #	74
15) Acrylonitrile	5.420	53	60559	1541.848	ug/l	99
16) Acetone	4.150	43	69683	2127.577	ug/l	98
17) Carbon Disulfide	4.408	76	24577	43.116	ug/l #	89
18) Methyl Acetate	4.714	43	64598	709.289	ug/l #	91
19) Methyl tert-butyl Ether	5.479	73	62936	160.662	ug/l	94
20) Methylene Chloride	4.961	84	25144	127.198	ug/l #	86
21) trans-1,2-Dichloroethene	5.467	96	12539	60.312	ug/l	92
22) Diisopropyl ether	6.361	45	52124	89.585	ug/l #	90
23) Vinyl Acetate	6.355	43	41835	134.798	ug/l #	75
24) 1,1-Dichloroethane	6.255	63	28202	75.513	ug/l	95
25) 2-Butanone	7.202	43	81635	1703.644	ug/l	100
26) 2,2-Dichloropropane	7.208	77	16037	50.352	ug/l	95
27) cis-1,2-Dichloroethene	7.208	96	18587	80.797	ug/l	91
28) Bromochloromethane	7.544	49	16572	128.799	ug/l #	78
29) Tetrahydrofuran	7.555	42	52924	1708.080	ug/l	94
30) Chloroform	7.708	83	35304	90.546	ug/l	96
31) Cyclohexane	7.979	56	10103	30.575	ug/l #	86
32) 1,1,1-Trichloroethane	7.897	97	20258	59.405	ug/l	97
36) 1,1-Dichloropropene	8.108	75	12489	33.893	ug/l	90
37) Ethyl Acetate	7.297	43	11218	77.073	ug/l #	78
38) Carbon Tetrachloride	8.091	117	13187	35.304	ug/l	95
39) Methylcyclohexane	9.349	83	8045	19.590	ug/l	86
40) Benzene	8.349	78	61135	57.567	ug/l	99
41) Methacrylonitrile	7.514	41	9976m	117.638	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.414	62	32940	111.474	ug/l	92
43) Isopropyl Acetate	8.444	43	23457	87.191	ug/l #	84
44) Trichloroethene	9.108	130	14086	49.739	ug/l	74
45) 1,2-Dichloropropane	9.379	63	19268	72.044	ug/l	99
46) Dibromomethane	9.461	93	19454	132.441	ug/l	95
47) Bromodichloromethane	9.661	83	31431	83.628	ug/l #	93
48) Methyl methacrylate	9.449	41	23755	175.504	ug/l #	86
49) 1,4-Dioxane	9.461	88	8399	5536.893	ug/l	95
51) 4-Methyl-2-Pentanone	10.220	43	159013	1138.006	ug/l	96
52) Toluene	10.396	92	36287	54.072	ug/l	96
53) t-1,3-Dichloropropene	10.614	75	31247	92.027	ug/l	94
54) cis-1,3-Dichloropropene	10.085	75	29286	72.075	ug/l #	88
55) 1,1,2-Trichloroethane	10.796	97	26505	133.438	ug/l	89
56) Ethyl methacrylate	10.649	69	12518	56.682	ug/l #	85
57) 1,3-Dichloropropane	10.938	76	41879	125.655	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	54935	499.905	ug/l	97
59) 2-Hexanone	10.979	43	93576	1015.787	ug/l	99
60) Dibromochloromethane	11.132	129	28320	114.342	ug/l	99
61) 1,2-Dibromoethane	11.238	107	27309	143.879	ug/l	98
64) Tetrachloroethene	10.867	164	12846	44.689	ug/l	97
65) Chlorobenzene	11.661	112	42533	47.240	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.732	131	20148	60.339	ug/l	97
67) Ethyl Benzene	11.732	91	50896	32.202	ug/l	94
68) m/p-Xylenes	11.838	106	41042	66.837	ug/l	98
69) o-Xylene	12.173	106	21401	37.938	ug/l	98
70) Styrene	12.185	104	38078	39.234	ug/l	97
71) Bromoform	12.343	173	20033	116.570	ug/l #	99
73) Isopropylbenzene	12.467	105	41864	27.527	ug/l	99
74) N-amyl acetate	12.273	43	4372	13.178	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.714	83	38354	136.742	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	33422m	159.674	ug/l	
77) Bromobenzene	12.743	156	20256	56.581	ug/l	86
78) n-propylbenzene	12.808	91	52092	27.284	ug/l	100
79) 2-Chlorotoluene	12.896	91	40200	36.466	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	37995	29.493	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.514	75	8390	96.228	ug/l	83
82) 4-Chlorotoluene	12.990	91	43142	37.337	ug/l	99
83) tert-Butylbenzene	13.208	119	27839	25.640	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	39922	31.368	ug/l	96
85) sec-Butylbenzene	13.384	105	36406	21.960	ug/l	95
86) p-Isopropyltoluene	13.502	119	30340	22.450	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	33316	46.169	ug/l	98
88) 1,4-Dichlorobenzene	13.579	146	33829	46.442	ug/l	97
89) n-Butylbenzene	13.826	91	25427	19.747	ug/l	97
90) Hexachloroethane	14.102	117	8517	30.458	ug/l	97
91) 1,2-Dichlorobenzene	13.873	146	34786	55.715	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.484	75	7363	171.418	ug/l	90
93) 1,2,4-Trichlorobenzene	15.137	180	14025	39.567	ug/l	94
94) Hexachlorobutadiene	15.249	225	3251	16.276	ug/l	86
95) Naphthalene	15.378	128	50221	70.385	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	13947	44.383	ug/l	97

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

