

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102522\
 Data File : VD074640.D
 Acq On : 25 Oct 2022 19:08
 Operator : VA/SY
 Sample : N5235-02MS
 Misc : 6.11G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LSP-SS-01-00-20MS

Quant Time: Oct 27 01:22:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 20 06:41:20 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/31/2022
 Supervised By :Mahesh Dadoda 10/31/2022

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	142261	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	206872	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	173668	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	67110	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	44604	41.067	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	82.140%		
35) Dibromofluoromethane	7.804	113	61240	53.508	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	107.020%		
50) Toluene-d8	10.269	98	176220	42.559	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	85.120%		
62) 4-Bromofluorobenzene	12.575	95	50930	42.464	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	84.920%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	39143	35.448	ug/l	97
3) Chloromethane	2.140	50	61953	41.445	ug/l	92
4) Vinyl Chloride	2.275	62	64368	38.939	ug/l	100
5) Bromomethane	2.687	94	43268	34.564	ug/l	93
6) Chloroethane	2.828	64	46946	41.307	ug/l	94
7) Trichlorofluoromethane	3.169	101	96990	41.393	ug/l	93
8) Diethyl Ether	3.587	74	31236	46.032	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.958	101	63045	41.723	ug/l	98
10) Methyl Iodide	4.158	142	61296	32.642	ug/l	99
11) Tert butyl alcohol	5.063	59	14840	78.950	ug/l #	86
12) 1,1-Dichloroethene	3.934	96	62099	41.088	ug/l	92
13) Acrolein	3.793	56	20292	174.439	ug/l	98
14) Allyl chloride	4.558	41	67227	41.189	ug/l	98
15) Acrylonitrile	5.252	53	60825	219.323	ug/l	97
16) Acetone	4.016	43	57853	243.923	ug/l	96
17) Carbon Disulfide	4.263	76	127626	30.860	ug/l	97
18) Methyl Acetate	4.558	43	33684	52.856	ug/l	99
19) Methyl tert-butyl Ether	5.322	73	147460	49.930	ug/l	97
20) Methylene Chloride	4.799	84	76270	39.794	ug/l	94
21) trans-1,2-Dichloroethene	5.305	96	67467	40.044	ug/l	92
22) Diisopropyl ether	6.216	45	168963	51.302	ug/l	97
23) Vinyl Acetate	6.157	43	280576m	194.813	ug/l	
24) 1,1-Dichloroethane	6.105	63	115385	45.140	ug/l	99
25) 2-Butanone	7.081	43	70578	222.534	ug/l	89
26) 2,2-Dichloropropane	7.075	77	101207	41.425	ug/l	97
27) cis-1,2-Dichloroethene	7.081	96	82689	44.250	ug/l	97
28) Bromochloromethane	7.422	49	35588	51.632	ug/l	94
29) Tetrahydrofuran	7.440	42	39811	230.144	ug/l	98
30) Chloroform	7.599	83	128356	46.666	ug/l	98
31) Cyclohexane	7.875	56	72446	33.205	ug/l	99
32) 1,1,1-Trichloroethane	7.793	97	111126	44.057	ug/l	97
36) 1,1-Dichloropropene	8.010	75	82496	44.390	ug/l	98
37) Ethyl Acetate	7.169	43	29277	49.931	ug/l	99
38) Carbon Tetrachloride	7.993	117	85904	47.205	ug/l	95
39) Methylcyclohexane	9.269	83	67722	30.499	ug/l	96
40) Benzene	8.246	78	254639	46.168	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	16654	52.717	ug/l #	91
42) 1,2-Dichloroethane	8.328	62	59346	46.627	ug/l	100
43) Isopropyl Acetate	8.357	43	52492	48.171	ug/l	97
44) Trichloroethene	9.028	130	67346	41.680	ug/l	100
45) 1,2-Dichloropropane	9.304	63	59495	49.152	ug/l	91
46) Dibromomethane	9.393	93	32521	46.561	ug/l	99
47) Bromodichloromethane	9.587	83	85770	49.632	ug/l	97
48) Methyl methacrylate	9.381	41	24721	49.640	ug/l	96
49) 1,4-Dioxane	9.381	88	6964	1013.049	ug/l	97
51) 4-Methyl-2-Pentanone	10.157	43	136908	252.592	ug/l	98
52) Toluene	10.334	92	155125	45.605	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	72708	47.853	ug/l	96
54) cis-1,3-Dichloropropene	10.016	75	91430	47.725	ug/l	96
55) 1,1,2-Trichloroethane	10.734	97	51384	53.544	ug/l	96
56) Ethyl methacrylate	10.598	69	53962	51.441	ug/l	97
57) 1,3-Dichloropropane	10.881	76	75588	48.554	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	79306	279.484	ug/l	98
59) 2-Hexanone	10.922	43	97922	264.692	ug/l	100
60) Dibromochloromethane	11.075	129	58966	50.978	ug/l	99
61) 1,2-Dibromoethane	11.181	107	43572	49.740	ug/l	99
64) Tetrachloroethene	10.810	164	56334	43.884	ug/l	96
65) Chlorobenzene	11.610	112	162932	44.540	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	62481	49.714	ug/l	97
67) Ethyl Benzene	11.687	91	274508	43.094	ug/l	99
68) m/p-Xylenes	11.792	106	215113	84.932	ug/l	97
69) o-Xylene	12.122	106	105581	44.792	ug/l	95
70) Styrene	12.134	104	179466	45.209	ug/l	98
71) Bromoform	12.298	173	33371	50.574	ug/l #	99
73) Isopropylbenzene	12.422	105	250264	47.817	ug/l	99
74) N-amyl acetate	12.234	43	44036	56.923	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.675	83	49010	59.151	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	31627m	53.972	ug/l	
77) Bromobenzene	12.698	156	63449	53.714	ug/l	99
78) n-propylbenzene	12.763	91	262581	42.452	ug/l	99
79) 2-Chlorotoluene	12.845	91	156457	46.691	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	188000	44.250	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	13223	57.666	ug/l	93
82) 4-Chlorotoluene	12.945	91	157916	45.870	ug/l	99
83) tert-Butylbenzene	13.163	119	161630	42.646	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	186966	44.719	ug/l	98
85) sec-Butylbenzene	13.345	105	196870	34.614	ug/l	98
86) p-Isopropyltoluene	13.457	119	167038	35.057	ug/l	100
87) 1,3-Dichlorobenzene	13.457	146	102108	41.597	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	102423	42.622	ug/l	99
89) n-Butylbenzene	13.786	91	117537	27.076	ug/l	98
90) Hexachloroethane	14.051	117	32341	38.996	ug/l	97
91) 1,2-Dichlorobenzene	13.828	146	95893	46.831	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	6362	55.521	ug/l	94
93) 1,2,4-Trichlorobenzene	15.098	180	35182	26.046	ug/l	99
94) Hexachlorobutadiene	15.198	225	10713	14.417	ug/l	99
95) Naphthalene	15.328	128	103710	40.786	ug/l	98
96) 1,2,3-Trichlorobenzene	15.516	180	31129	26.884	ug/l	99

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

