

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040522\
 Data File : VD072528.D
 Acq On : 05 Apr 2022 11:59
 Operator : VA/SY
 Sample : VD0405SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0405SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/06/2022
 Supervised By : Mahesh Dadoda 04/06/2022

Quant Time: Apr 06 01:10:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 02:44:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	331523	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	555076	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	522617	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	283994	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	194183	48.420	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.840%		
35) Dibromofluoromethane	7.909	113	213511	49.496	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.000%		
50) Toluene-d8	10.332	98	730219	48.698	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.400%		
62) 4-Bromofluorobenzene	12.620	95	287974	49.175	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	98.340%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	52981	20.137	ug/l	100
3) Chloromethane	2.215	50	42066	17.286	ug/l	97
4) Vinyl Chloride	2.350	62	44813	16.667	ug/l	95
5) Bromomethane	2.756	94	37194	19.834	ug/l	97
6) Chloroethane	2.915	64	34774	19.401	ug/l	100
7) Trichlorofluoromethane	3.273	101	117258	20.532	ug/l	94
8) Diethyl Ether	3.709	74	32714	19.276	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.091	101	78539	20.621	ug/l	96
10) Methyl Iodide	4.297	142	54744	18.000	ug/l	97
11) Tert butyl alcohol	5.226	59	24701	116.632	ug/l	98
12) 1,1-Dichloroethene	4.068	96	56300	18.907	ug/l	91
13) Acrolein	3.920	56	10821	115.138	ug/l	98
14) Allyl chloride	4.715	41	85700	17.147	ug/l #	95
15) Acrylonitrile	5.415	53	88528	104.305	ug/l	97
16) Acetone	4.150	43	82506	110.330	ug/l #	87
17) Carbon Disulfide	4.409	76	73924	14.258	ug/l #	93
18) Methyl Acetate	4.720	43	49716	23.598	ug/l #	86
19) Methyl tert-butyl Ether	5.479	73	185806	21.379	ug/l	95
20) Methylene Chloride	4.967	84	98270	22.074	ug/l	84
21) trans-1,2-Dichloroethene	5.467	96	62914	17.803	ug/l #	81
22) Diisopropyl ether	6.362	45	253090	21.155	ug/l #	93
23) Vinyl Acetate	6.303	43	559959	91.122	ug/l #	92
24) 1,1-Dichloroethane	6.262	63	153720	21.323	ug/l	98
25) 2-Butanone	7.209	43	110243	106.593	ug/l #	75
26) 2,2-Dichloropropane	7.203	77	138952	21.700	ug/l	96
27) cis-1,2-Dichloroethene	7.209	96	92790	20.524	ug/l	90
28) Bromochloromethane	7.544	49	67054	21.708	ug/l #	73
29) Tetrahydrofuran	7.561	42	58649	93.926	ug/l #	83
30) Chloroform	7.703	83	179878	22.181	ug/l	99
31) Cyclohexane	7.985	56	88119	16.804	ug/l #	82
32) 1,1,1-Trichloroethane	7.903	97	147631	21.464	ug/l	96
36) 1,1-Dichloropropene	8.103	75	96600	18.254	ug/l	96
37) Ethyl Acetate	7.285	43	44367	19.411	ug/l #	90
38) Carbon Tetrachloride	8.091	117	130091	21.890	ug/l	96
39) Methylcyclohexane	9.350	83	92791	16.499	ug/l	94
40) Benzene	8.344	78	305159	20.256	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.509	41	23577	18.723	ug/l #	67
42) 1,2-Dichloroethane	8.420	62	101028	21.940	ug/l	97
43) Isopropyl Acetate	8.450	43	87470	19.950	ug/l #	88
44) Trichloroethene	9.108	130	86666	20.263	ug/l	94
45) 1,2-Dichloropropane	9.379	63	89918	21.456	ug/l	99
46) Dibromomethane	9.467	93	46918	21.339	ug/l	97
47) Bromodichloromethane	9.655	83	143089	22.653	ug/l	99
48) Methyl methacrylate	9.450	41	42299	19.872	ug/l #	82
49) 1,4-Dioxane	9.450	88	10942	418.359	ug/l	94
51) 4-Methyl-2-Pentanone	10.220	43	247072	105.022	ug/l	92
52) Toluene	10.397	92	210002	20.983	ug/l	96
53) t-1,3-Dichloropropene	10.614	75	119992	21.799	ug/l	96
54) cis-1,3-Dichloropropene	10.085	75	135740	20.858	ug/l #	88
55) 1,1,2-Trichloroethane	10.791	97	78282	23.485	ug/l	94
56) Ethyl methacrylate	10.655	69	78153	19.805	ug/l #	82
57) 1,3-Dichloropropane	10.938	76	118380	21.482	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	92167	56.006	ug/l	92
59) 2-Hexanone	10.979	43	176237	110.162	ug/l	93
60) Dibromochloromethane	11.132	129	100165	23.296	ug/l	97
61) 1,2-Dibromoethane	11.238	107	65090	21.993	ug/l	98
64) Tetrachloroethene	10.867	164	71295	20.880	ug/l	98
65) Chlorobenzene	11.661	112	248137	21.237	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.732	131	107339	22.978	ug/l	98
67) Ethyl Benzene	11.738	91	414025	20.307	ug/l	98
68) m/p-Xylenes	11.844	106	328650	42.490	ug/l	97
69) o-Xylene	12.173	106	157126	21.054	ug/l	98
70) Styrene	12.185	104	286179	21.758	ug/l	98
71) Bromoform	12.349	173	57475	23.209	ug/l #	98
73) Isopropylbenzene	12.473	105	448554	19.557	ug/l	99
74) N-amyl acetate	12.279	43	91020	18.914	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.720	83	90442	20.819	ug/l	98
76) 1,2,3-Trichloropropane	12.767	75	67452m	21.777	ug/l	
77) Bromobenzene	12.749	156	106791	20.773	ug/l	90
78) n-propylbenzene	12.808	91	551005	19.914	ug/l	99
79) 2-Chlorotoluene	12.896	91	329399	20.357	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	395256	20.122	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	25539	20.232	ug/l	84
82) 4-Chlorotoluene	12.996	91	348570	20.684	ug/l	99
83) tert-Butylbenzene	13.214	119	356832	20.983	ug/l	95
84) 1,2,4-Trimethylbenzene	13.255	105	396623	20.648	ug/l	98
85) sec-Butylbenzene	13.391	105	527012	20.574	ug/l	99
86) p-Isopropyltoluene	13.502	119	438893	20.963	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	227243	21.333	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	226350	21.083	ug/l	99
89) n-Butylbenzene	13.832	91	410852	20.599	ug/l	99
90) Hexachloroethane	14.096	117	91140	21.264	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	202210	21.522	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.496	75	14426	22.453	ug/l	98
93) 1,2,4-Trichlorobenzene	15.149	180	126219	21.673	ug/l	100
94) Hexachlorobutadiene	15.249	225	73038	22.390	ug/l	99
95) Naphthalene	15.385	128	217241	19.198	ug/l	98
96) 1,2,3-Trichlorobenzene	15.579	180	108930	21.431	ug/l	99

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

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