

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051222\
 Data File : VD072970.D
 Acq On : 13 May 2022 02:56
 Operator : VA/SY
 Sample : VD0512SBS02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBS02

Quant Time: May 13 06:01:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/13/2022
 Supervised By : Mahesh Dadoda 05/13/2022

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	275551	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	471417	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	458455	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	231497	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	175665	49.111	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.220%		
35) Dibromofluoromethane	7.914	113	178587	53.941	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	107.880%		
50) Toluene-d8	10.331	98	645468	54.350	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	108.700%		
62) 4-Bromofluorobenzene	12.620	95	237968	53.738	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	107.480%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	67433	17.709	ug/l	99
3) Chloromethane	2.208	50	68551	17.311	ug/l	98
4) Vinyl Chloride	2.344	62	62496	17.588	ug/l	97
5) Bromomethane	2.749	94	45344	19.814	ug/l	92
6) Chloroethane	2.908	64	40494	18.285	ug/l	96
7) Trichlorofluoromethane	3.267	101	117012	18.806	ug/l	98
8) Diethyl Ether	3.708	74	32063	17.974	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.096	101	71297	19.301	ug/l	95
10) Methyl Iodide	4.296	142	60480	16.314	ug/l	99
11) Tert butyl alcohol	5.196	59	50906	164.492	ug/l #	77
12) 1,1-Dichloroethene	4.067	96	62329	18.759	ug/l	90
13) Acrolein	3.920	56	12306	43.311	ug/l	93
14) Allyl chloride	4.708	41	97846	18.240	ug/l #	92
15) Acrylonitrile	5.420	53	77135	90.987	ug/l	98
16) Acetone	4.155	43	61042	81.797	ug/l	97
17) Carbon Disulfide	4.402	76	179990	17.228	ug/l	99
18) Methyl Acetate	4.708	43	49569	25.346	ug/l	91
19) Methyl tert-butyl Ether	5.479	73	150352	18.876	ug/l	98
20) Methylene Chloride	4.961	84	113233	23.078	ug/l	86
21) trans-1,2-Dichloroethene	5.467	96	76638	20.112	ug/l	91
22) Diisopropyl ether	6.361	45	227467	19.276	ug/l #	91
23) Vinyl Acetate	6.302	43	533986	81.916	ug/l	96
24) 1,1-Dichloroethane	6.255	63	141272	19.926	ug/l	100
25) 2-Butanone	7.214	43	89786	86.152	ug/l	99
26) 2,2-Dichloropropane	7.196	77	101872	16.997	ug/l	98
27) cis-1,2-Dichloroethene	7.208	96	86160	19.741	ug/l	89
28) Bromochloromethane	7.543	49	47881	18.110	ug/l #	78
29) Tetrahydrofuran	7.567	42	59832	90.069	ug/l	92
30) Chloroform	7.702	83	152441	20.321	ug/l	99
31) Cyclohexane	7.979	56	106592	17.047	ug/l #	82
32) 1,1,1-Trichloroethane	7.896	97	126345	19.761	ug/l	98
36) 1,1-Dichloropropene	8.108	75	105522	19.601	ug/l	97
37) Ethyl Acetate	7.290	43	42323	17.102	ug/l #	93
38) Carbon Tetrachloride	8.090	117	110310	19.739	ug/l	95
39) Methylcyclohexane	9.349	83	108021	17.299	ug/l	98
40) Benzene	8.343	78	315856	20.317	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	27387	18.585	ug/l	92
42) 1,2-Dichloroethane	8.420	62	92959	19.842	ug/l	96
43) Isopropyl Acetate	8.449	43	80641	17.654	ug/l #	91
44) Trichloroethene	9.108	130	80475	19.349	ug/l	92
45) 1,2-Dichloropropane	9.379	63	80563	19.732	ug/l	95
46) Dibromomethane	9.467	93	43549	19.336	ug/l	93
47) Bromodichloromethane	9.655	83	116863	20.170	ug/l #	98
48) Methyl methacrylate	9.449	41	41455	18.551	ug/l	92
49) 1,4-Dioxane	9.449	88	9581	377.779	ug/l	96
51) 4-Methyl-2-Pentanone	10.220	43	217706	91.721	ug/l	94
52) Toluene	10.396	92	202857	20.918	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	99457	18.689	ug/l	98
54) cis-1,3-Dichloropropene	10.084	75	116406	18.827	ug/l	90
55) 1,1,2-Trichloroethane	10.790	97	62484	20.523	ug/l	93
56) Ethyl methacrylate	10.655	69	65097	18.159	ug/l #	85
57) 1,3-Dichloropropane	10.937	76	103982	19.902	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.937	63	135189	77.783	ug/l	96
59) 2-Hexanone	10.978	43	144163	90.263	ug/l	97
60) Dibromochloromethane	11.131	129	77632	20.255	ug/l	97
61) 1,2-Dibromoethane	11.237	107	56446	19.047	ug/l	96
64) Tetrachloroethene	10.867	164	68801	20.526	ug/l	97
65) Chlorobenzene	11.661	112	215739	20.345	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.731	131	82245	20.638	ug/l	98
67) Ethyl Benzene	11.731	91	372490	20.298	ug/l	100
68) m/p-Xylenes	11.843	106	295669	41.827	ug/l	97
69) o-Xylene	12.172	106	136407	20.662	ug/l	95
70) Styrene	12.184	104	236025	20.634	ug/l	98
71) Bromoform	12.343	173	44219	20.474	ug/l #	98
73) Isopropylbenzene	12.467	105	350515	19.461	ug/l	99
74) N-amyl acetate	12.278	43	75225	16.771	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	71937	19.786	ug/l	99
76) 1,2,3-Trichloropropane	12.767	75	51294m	19.871	ug/l	
77) Bromobenzene	12.749	156	85082	19.893	ug/l	93
78) n-propylbenzene	12.808	91	451399	19.885	ug/l	99
79) 2-Chlorotoluene	12.896	91	268879	20.277	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	310611	20.338	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	18916	16.851	ug/l	90
82) 4-Chlorotoluene	12.990	91	279807	20.195	ug/l	99
83) tert-Butylbenzene	13.214	119	259787	20.008	ug/l	95
84) 1,2,4-Trimethylbenzene	13.255	105	311341	20.395	ug/l	98
85) sec-Butylbenzene	13.390	105	391819	20.008	ug/l	100
86) p-Isopropyltoluene	13.502	119	323788	20.166	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	173681	20.158	ug/l	98
88) 1,4-Dichlorobenzene	13.584	146	174839	20.377	ug/l	99
89) n-Butylbenzene	13.825	91	298412	19.186	ug/l	99
90) Hexachloroethane	14.096	117	65485	19.909	ug/l	97
91) 1,2-Dichlorobenzene	13.872	146	152367	20.291	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.490	75	10630	18.444	ug/l	90
93) 1,2,4-Trichlorobenzene	15.143	180	83777	18.839	ug/l	99
94) Hexachlorobutadiene	15.249	225	46864	19.296	ug/l	98
95) Naphthalene	15.384	128	147168	18.000	ug/l	98
96) 1,2,3-Trichlorobenzene	15.572	180	76265	19.346	ug/l	98

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

