

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051022\
 Data File : VD072906.D
 Acq On : 10 May 2022 11:19
 Operator : VA/SY
 Sample : VD0510SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0510SBS01

Quant Time: May 11 05:48:01 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 05/11/2022
 Supervised By : Mahesh Dadoda 05/11/2022

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	320692	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	538946	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	516452	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	256239	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	206423	49.587	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.180%		
35) Dibromofluoromethane	7.909	113	203228	53.692	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	107.380%		
50) Toluene-d8	10.332	98	716821	52.795	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	105.580%		
62) 4-Bromofluorobenzene	12.620	95	274870	54.294	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	108.580%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	82185	18.546	ug/l	100
3) Chloromethane	2.209	50	79918	17.341	ug/l	95
4) Vinyl Chloride	2.350	62	77301	18.693	ug/l	97
5) Bromomethane	2.756	94	54414	20.480	ug/l	98
6) Chloroethane	2.915	64	48340	18.756	ug/l	98
7) Trichlorofluoromethane	3.268	101	139980	19.330	ug/l	96
8) Diethyl Ether	3.709	74	38548	18.568	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.091	101	87823	20.428	ug/l	98
10) Methyl Iodide	4.297	142	73499	17.035	ug/l	98
11) Tert butyl alcohol	5.197	59	50548m	140.344	ug/l	
12) 1,1-Dichloroethene	4.062	96	74403	19.241	ug/l	93
13) Acrolein	3.926	56	24069	85.133	ug/l	92
14) Allyl chloride	4.709	41	121273	19.425	ug/l	93
15) Acrylonitrile	5.420	53	92394	93.645	ug/l	96
16) Acetone	4.156	43	73038	84.510	ug/l	95
17) Carbon Disulfide	4.403	76	211133	17.364	ug/l	96
18) Methyl Acetate	4.720	43	46107	20.208	ug/l #	91
19) Methyl tert-butyl Ether	5.473	73	179074	19.317	ug/l	98
20) Methylene Chloride	4.962	84	100547	15.902	ug/l	89
21) trans-1,2-Dichloroethene	5.467	96	86045	19.402	ug/l	96
22) Diisopropyl ether	6.362	45	270580	19.702	ug/l	95
23) Vinyl Acetate	6.303	43	690165	90.971	ug/l	97
24) 1,1-Dichloroethane	6.262	63	164044	19.881	ug/l	98
25) 2-Butanone	7.209	43	114360	94.285	ug/l	100
26) 2,2-Dichloropropane	7.203	77	136437	19.560	ug/l	97
27) cis-1,2-Dichloroethene	7.209	96	98719	19.435	ug/l	91
28) Bromochloromethane	7.544	49	54306	17.649	ug/l	85
29) Tetrahydrofuran	7.556	42	69609	90.037	ug/l	94
30) Chloroform	7.703	83	172232	19.727	ug/l	97
31) Cyclohexane	7.979	56	138580	19.044	ug/l	85
32) 1,1,1-Trichloroethane	7.897	97	146954	19.750	ug/l	97
36) 1,1-Dichloropropene	8.108	75	121841	19.797	ug/l	96
37) Ethyl Acetate	7.291	43	52655	18.611	ug/l	96
38) Carbon Tetrachloride	8.091	117	130041	20.354	ug/l	94
39) Methylcyclohexane	9.350	83	135197	18.938	ug/l	98
40) Benzene	8.344	78	350378	19.713	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.509	41	28057m	16.654	ug/l	
42) 1,2-Dichloroethane	8.414	62	106054	19.801	ug/l	98
43) Isopropyl Acetate	8.450	43	99236	19.003	ug/l	95
44) Trichloroethene	9.108	130	95893	20.167	ug/l	96
45) 1,2-Dichloropropane	9.379	63	93297	19.988	ug/l	93
46) Dibromomethane	9.467	93	49606	19.266	ug/l	96
47) Bromodichloromethane	9.655	83	128763	19.440	ug/l	99
48) Methyl methacrylate	9.450	41	50296	19.687	ug/l	91
49) 1,4-Dioxane	9.455	88	10820	373.176	ug/l	94
51) 4-Methyl-2-Pentanone	10.220	43	258497	95.261	ug/l	96
52) Toluene	10.397	92	229660	20.714	ug/l	98
53) t-1,3-Dichloropropene	10.608	75	117384	19.294	ug/l	96
54) cis-1,3-Dichloropropene	10.079	75	143208	20.260	ug/l	89
55) 1,1,2-Trichloroethane	10.797	97	71120	20.432	ug/l	92
56) Ethyl methacrylate	10.655	69	77366	18.878	ug/l #	90
57) 1,3-Dichloropropane	10.938	76	117800	19.722	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	186724	93.973	ug/l	97
59) 2-Hexanone	10.979	43	169929	93.064	ug/l	97
60) Dibromochloromethane	11.132	129	86991	19.853	ug/l	100
61) 1,2-Dibromoethane	11.238	107	67086	19.801	ug/l	99
64) Tetrachloroethene	10.867	164	77165	20.436	ug/l	95
65) Chlorobenzene	11.661	112	249871	20.918	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.732	131	94599	21.073	ug/l	97
67) Ethyl Benzene	11.738	91	426157	20.615	ug/l	97
68) m/p-Xylenes	11.844	106	334866	42.052	ug/l	99
69) o-Xylene	12.173	106	150175	20.193	ug/l	99
70) Styrene	12.185	104	269932	20.949	ug/l	98
71) Bromoform	12.349	173	48939	20.115	ug/l #	99
73) Isopropylbenzene	12.467	105	410771	20.604	ug/l	100
74) N-amyl acetate	12.279	43	93123	18.757	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	77682	19.303	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	55131m	19.295	ug/l	
77) Bromobenzene	12.749	156	96762	20.439	ug/l	95
78) n-propylbenzene	12.808	91	525799	20.926	ug/l	99
79) 2-Chlorotoluene	12.896	91	297709	20.283	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	357077	21.123	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	23290	18.745	ug/l	94
82) 4-Chlorotoluene	12.991	91	316356	20.629	ug/l	99
83) tert-Butylbenzene	13.208	119	298954	20.802	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	354899	21.004	ug/l	99
85) sec-Butylbenzene	13.391	105	447033	20.623	ug/l	99
86) p-Isopropyltoluene	13.502	119	369846	20.811	ug/l	98
87) 1,3-Dichlorobenzene	13.502	146	197535	20.713	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	196499	20.690	ug/l	99
89) n-Butylbenzene	13.826	91	352536	20.477	ug/l	100
90) Hexachloroethane	14.096	117	73472	20.180	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	170634	20.530	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.485	75	11375	17.831	ug/l	89
93) 1,2,4-Trichlorobenzene	15.143	180	99698	20.254	ug/l	98
94) Hexachlorobutadiene	15.249	225	54037	20.101	ug/l	95
95) Naphthalene	15.379	128	167956	18.559	ug/l	97
96) 1,2,3-Trichlorobenzene	15.579	180	87076	19.956	ug/l	99

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

