

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042922\
 Data File : VD072734.D
 Acq On : 29 Apr 2022 10:59
 Operator : VA/SY
 Sample : VD0429SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0429SBS01

Quant Time: Apr 30 01:50:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D042722S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 27 16:01:06 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/02/2022
 Supervised By : Mahesh Dadoda 05/02/2022

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	323456	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	571247	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	539583	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	258276	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	234822	54.680	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.360%			
35) Dibromofluoromethane	7.908	113	209673	55.116	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.240%			
50) Toluene-d8	10.332	98	778833	56.788	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 113.580%			
62) 4-Bromofluorobenzene	12.620	95	282747	54.664	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 109.320%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	103991	23.591	ug/l	98
3) Chloromethane	2.215	50	114373	22.975	ug/l	94
4) Vinyl Chloride	2.350	62	101215	22.549	ug/l	98
5) Bromomethane	2.756	94	63507	21.903	ug/l	95
6) Chloroethane	2.914	64	61716	22.661	ug/l	97
7) Trichlorofluoromethane	3.273	101	164770	22.950	ug/l	96
8) Diethyl Ether	3.714	74	45962	21.603	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.097	101	96079	23.472	ug/l	98
10) Methyl Iodide	4.303	142	89342	21.480	ug/l	99
11) Tert butyl alcohol	5.197	59	63141	210.679	ug/l #	88
12) 1,1-Dichloroethene	4.067	96	87525	22.846	ug/l	87
13) Acrolein	3.920	56	40713	111.952	ug/l	96
14) Allyl chloride	4.709	41	135718	20.924	ug/l	94
15) Acrylonitrile	5.420	53	107139	108.041	ug/l	97
16) Acetone	4.156	43	90987	108.111	ug/l	92
17) Carbon Disulfide	4.409	76	294012	22.848	ug/l	96
18) Methyl Acetate	4.714	43	55575	22.917	ug/l	95
19) Methyl tert-butyl Ether	5.479	73	212221	22.102	ug/l	93
20) Methylene Chloride	4.961	84	114866	9.772	ug/l	85
21) trans-1,2-Dichloroethene	5.467	96	100226	22.158	ug/l	94
22) Diisopropyl ether	6.361	45	316051	22.579	ug/l	95
23) Vinyl Acetate	6.303	43	863372	109.233	ug/l	97
24) 1,1-Dichloroethane	6.261	63	184687	22.376	ug/l	96
25) 2-Butanone	7.208	43	135240	107.683	ug/l	96
26) 2,2-Dichloropropane	7.208	77	147923	21.726	ug/l	98
27) cis-1,2-Dichloroethene	7.214	96	109615	21.870	ug/l	96
28) Bromochloromethane	7.550	49	67673	21.053	ug/l	92
29) Tetrahydrofuran	7.561	42	85807	108.572	ug/l	94
30) Chloroform	7.702	83	191894	22.497	ug/l	95
31) Cyclohexane	7.985	56	167756	22.501	ug/l	95
32) 1,1,1-Trichloroethane	7.902	97	165499	22.897	ug/l	96
36) 1,1-Dichloropropene	8.108	75	142665	22.383	ug/l	99
37) Ethyl Acetate	7.291	43	65999	22.737	ug/l	99
38) Carbon Tetrachloride	8.091	117	143090	22.213	ug/l	100
39) Methylcyclohexane	9.349	83	161774	21.919	ug/l	89
40) Benzene	8.350	78	403899	22.257	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	40268	24.179	ug/l	93
42) 1,2-Dichloroethane	8.420	62	125737	21.985	ug/l	98
43) Isopropyl Acetate	8.444	43	117053	21.221	ug/l	94
44) Trichloroethene	9.108	130	103178	21.491	ug/l	93
45) 1,2-Dichloropropane	9.379	63	107238	22.850	ug/l	93
46) Dibromomethane	9.467	93	56846	21.385	ug/l	96
47) Bromodichloromethane	9.655	83	146974	21.753	ug/l	96
48) Methyl methacrylate	9.449	41	54159	19.574	ug/l #	85
49) 1,4-Dioxane	9.449	88	12721	433.605	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	314098	110.802	ug/l	98
52) Toluene	10.396	92	251886	22.219	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	139023	22.297	ug/l	96
54) cis-1,3-Dichloropropene	10.085	75	160081	22.012	ug/l	93
55) 1,1,2-Trichloroethane	10.791	97	79165	22.125	ug/l	96
56) Ethyl methacrylate	10.649	69	91903	21.920	ug/l	92
57) 1,3-Dichloropropane	10.938	76	132638	21.731	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.938	63	186040	96.422	ug/l	99
59) 2-Hexanone	10.979	43	208110	109.487	ug/l	99
60) Dibromochloromethane	11.132	129	95092	21.647	ug/l	100
61) 1,2-Dibromoethane	11.238	107	73721	21.714	ug/l	95
64) Tetrachloroethene	10.867	164	85323	23.055	ug/l	99
65) Chlorobenzene	11.661	112	265550	22.294	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	100723	22.559	ug/l	99
67) Ethyl Benzene	11.738	91	466082	22.287	ug/l	99
68) m/p-Xylenes	11.843	106	364815	45.747	ug/l	100
69) o-Xylene	12.173	106	168268	22.327	ug/l	100
70) Styrene	12.185	104	296967	23.153	ug/l	99
71) Bromoform	12.349	173	52220	21.789	ug/l #	99
73) Isopropylbenzene	12.467	105	442967	22.437	ug/l	100
74) N-amyl acetate	12.279	43	112866	22.129	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	88042	22.252	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	64137m	22.805	ug/l	
77) Bromobenzene	12.749	156	107169	22.797	ug/l	95
78) n-propylbenzene	12.808	91	568564	23.042	ug/l	99
79) 2-Chlorotoluene	12.896	91	323077	22.375	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	384161	23.015	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	27817	22.177	ug/l	94
82) 4-Chlorotoluene	12.996	91	349603	23.001	ug/l	98
83) tert-Butylbenzene	13.214	119	314496	22.525	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	381945	22.915	ug/l	99
85) sec-Butylbenzene	13.390	105	482897	22.895	ug/l	99
86) p-Isopropyltoluene	13.502	119	394212	22.835	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	206697	22.348	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	204797	22.198	ug/l	99
89) n-Butylbenzene	13.832	91	379921	22.619	ug/l	100
90) Hexachloroethane	14.096	117	77950	22.515	ug/l	96
91) 1,2-Dichlorobenzene	13.873	146	180108	22.197	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.484	75	14815	22.809	ug/l	93
93) 1,2,4-Trichlorobenzene	15.143	180	107445	22.793	ug/l	96
94) Hexachlorobutadiene	15.249	225	54461	21.759	ug/l	97
95) Naphthalene	15.384	128	189493	21.348	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	91011	21.904	ug/l	97

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

