

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052722\
 Data File : VD073404.D
 Acq On : 27 May 2022 11:49
 Operator : VA/SY
 Sample : VD0527SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0527SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/31/2022
 Supervised By :Mahesh Dadoda 05/31/2022

Quant Time: May 28 09:41:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	325635	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	540882	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	512043	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	261031	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	176632	49.082	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.160%		
35) Dibromofluoromethane	7.908	113	190327	53.326	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	106.660%		
50) Toluene-d8	10.332	98	690402	52.476	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	104.960%		
62) 4-Bromofluorobenzene	12.620	95	255263	55.285	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	110.580%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	69858	21.469	ug/l	93
3) Chloromethane	2.209	50	69366	18.853	ug/l	94
4) Vinyl Chloride	2.344	62	65980	19.611	ug/l	96
5) Bromomethane	2.750	94	47724	19.679	ug/l	95
6) Chloroethane	2.909	64	41897	20.257	ug/l	98
7) Trichlorofluoromethane	3.261	101	131013	22.023	ug/l	97
8) Diethyl Ether	3.709	74	34191	20.916	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.091	101	79493	22.395	ug/l	98
10) Methyl Iodide	4.291	142	63961	16.702	ug/l	98
11) Tert butyl alcohol	5.185	59	57755	103.440	ug/l #	74
12) 1,1-Dichloroethene	4.061	96	67816	20.723	ug/l	89
13) Acrolein	3.914	56	21439	85.556	ug/l	94
14) Allyl chloride	4.708	41	103521	19.597	ug/l	91
15) Acrylonitrile	5.408	53	79768	106.711	ug/l	95
16) Acetone	4.156	43	64821	103.990	ug/l	96
17) Carbon Disulfide	4.403	76	195779	18.047	ug/l	99
18) Methyl Acetate	4.714	43	38992	22.496	ug/l #	89
19) Methyl tert-butyl Ether	5.473	73	155516	20.860	ug/l	99
20) Methylene Chloride	4.955	84	103945	24.232	ug/l	89
21) trans-1,2-Dichloroethene	5.473	96	81134	20.505	ug/l	88
22) Diisopropyl ether	6.355	45	233451	21.082	ug/l	96
23) Vinyl Acetate	6.303	43	588214	99.586	ug/l #	93
24) 1,1-Dichloroethane	6.250	63	145226	20.432	ug/l	96
25) 2-Butanone	7.202	43	95327	104.529	ug/l	100
26) 2,2-Dichloropropane	7.202	77	126668	20.897	ug/l	98
27) cis-1,2-Dichloroethene	7.208	96	89890	20.531	ug/l	92
28) Bromochloromethane	7.538	49	43766	17.873	ug/l #	75
29) Tetrahydrofuran	7.555	42	59519	100.932	ug/l #	88
30) Chloroform	7.702	83	156892	21.143	ug/l	100
31) Cyclohexane	7.979	56	129324	20.564	ug/l	88
32) 1,1,1-Trichloroethane	7.897	97	138994	21.416	ug/l	96
36) 1,1-Dichloropropene	8.108	75	112817	21.017	ug/l	95
37) Ethyl Acetate	7.285	43	42059	19.837	ug/l #	91
38) Carbon Tetrachloride	8.091	117	120049	22.063	ug/l	92
39) Methylcyclohexane	9.344	83	124262	20.772	ug/l	98
40) Benzene	8.344	78	329654	21.309	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	28609	23.159	ug/l #	86
42) 1,2-Dichloroethane	8.414	62	92199	21.419	ug/l	96
43) Isopropyl Acetate	8.444	43	81902	20.898	ug/l #	90
44) Trichloroethene	9.108	130	91380	22.151	ug/l	87
45) 1,2-Dichloropropane	9.379	63	85258	21.883	ug/l	94
46) Dibromomethane	9.467	93	45729	21.371	ug/l	96
47) Bromodichloromethane	9.655	83	119658	21.855	ug/l	98
48) Methyl methacrylate	9.449	41	40919	20.753	ug/l #	87
49) 1,4-Dioxane	9.455	88	9923	449.060	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	219251	107.715	ug/l	93
52) Toluene	10.396	92	215913	22.086	ug/l	100
53) t-1,3-Dichloropropene	10.608	75	107315	21.696	ug/l	100
54) cis-1,3-Dichloropropene	10.079	75	128055	21.634	ug/l #	86
55) 1,1,2-Trichloroethane	10.791	97	64448	22.273	ug/l	96
56) Ethyl methacrylate	10.655	69	68344	21.244	ug/l	87
57) 1,3-Dichloropropane	10.938	76	107641	22.171	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	133720	101.541	ug/l	98
59) 2-Hexanone	10.973	43	147141	109.646	ug/l	94
60) Dibromochloromethane	11.132	129	83667	23.189	ug/l	98
61) 1,2-Dibromoethane	11.238	107	61576	22.270	ug/l	98
64) Tetrachloroethene	10.873	164	75669	22.562	ug/l	99
65) Chlorobenzene	11.661	112	231669	22.054	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	89940	23.087	ug/l	98
67) Ethyl Benzene	11.738	91	401723	21.785	ug/l	95
68) m/p-Xylenes	11.843	106	319251	44.562	ug/l	99
69) o-Xylene	12.173	106	146229	22.218	ug/l	96
70) Styrene	12.185	104	257028	22.699	ug/l	97
71) Bromoform	12.349	173	47035	23.458	ug/l #	98
73) Isopropylbenzene	12.467	105	392682	21.102	ug/l	100
74) N-amyl acetate	12.279	43	83101	20.471	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.720	83	73643	21.458	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	51635m	20.161	ug/l	
77) Bromobenzene	12.749	156	95345	21.766	ug/l	92
78) n-propylbenzene	12.808	91	502246	21.499	ug/l	99
79) 2-Chlorotoluene	12.896	91	284284	21.076	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	346237	21.964	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	22597	21.181	ug/l	87
82) 4-Chlorotoluene	12.990	91	304333	21.525	ug/l	99
83) tert-Butylbenzene	13.208	119	292912	22.048	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	339707	21.814	ug/l	98
85) sec-Butylbenzene	13.384	105	441636	21.771	ug/l	98
86) p-Isopropyltoluene	13.502	119	367586	22.229	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	198638	22.497	ug/l	98
88) 1,4-Dichlorobenzene	13.584	146	196702	22.069	ug/l	100
89) n-Butylbenzene	13.826	91	347791	22.074	ug/l	99
90) Hexachloroethane	14.096	117	74516	21.778	ug/l	98
91) 1,2-Dichlorobenzene	13.873	146	172197	22.540	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.484	75	11903	22.647	ug/l	98
93) 1,2,4-Trichlorobenzene	15.143	180	93375	21.529	ug/l	98
94) Hexachlorobutadiene	15.249	225	55192	22.582	ug/l	97
95) Naphthalene	15.384	128	160583	21.009	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	85751	22.302	ug/l	99

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

