

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052722\
 Data File : VD073405.D
 Acq On : 27 May 2022 12:18
 Operator : VA/SY
 Sample : VD0527SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 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 09:42:22 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	334435	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	564251	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	544221	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	274312	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	183692	49.700	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.400%		
35) Dibromofluoromethane	7.909	113	190132	51.065	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.140%		
50) Toluene-d8	10.332	98	686932	50.050	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	100.100%		
62) 4-Bromofluorobenzene	12.620	95	259420	53.859	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	107.720%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	67894	20.317	ug/l	98
3) Chloromethane	2.209	50	65918	17.444	ug/l	95
4) Vinyl Chloride	2.344	62	61899	17.914	ug/l	97
5) Bromomethane	2.750	94	46937	18.659	ug/l	94
6) Chloroethane	2.909	64	40835	19.224	ug/l	98
7) Trichlorofluoromethane	3.268	101	120623	19.742	ug/l	99
8) Diethyl Ether	3.703	74	33896	20.190	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.091	101	72991	20.022	ug/l	96
10) Methyl Iodide	4.291	142	66949	17.022	ug/l	98
11) Tert butyl alcohol	5.179	59	73533	128.233	ug/l #	74
12) 1,1-Dichloroethene	4.062	96	63283	18.829	ug/l	87
13) Acrolein	3.921	56	23010	90.270	ug/l	100
14) Allyl chloride	4.715	41	103161	19.015	ug/l	89
15) Acrylonitrile	5.415	53	81054	105.579	ug/l	98
16) Acetone	4.156	43	62804	98.103	ug/l #	80
17) Carbon Disulfide	4.403	76	185354	16.636	ug/l	99
18) Methyl Acetate	4.709	43	42178	23.693	ug/l	92
19) Methyl tert-butyl Ether	5.473	73	157832	20.613	ug/l	99
20) Methylene Chloride	4.962	84	111901	25.610	ug/l #	83
21) trans-1,2-Dichloroethene	5.468	96	77221	19.003	ug/l	90
22) Diisopropyl ether	6.356	45	235222	20.683	ug/l #	96
23) Vinyl Acetate	6.297	43	605943	99.888	ug/l	95
24) 1,1-Dichloroethane	6.262	63	146936	20.128	ug/l	98
25) 2-Butanone	7.203	43	95604	102.074	ug/l	95
26) 2,2-Dichloropropane	7.203	77	124170	19.946	ug/l	98
27) cis-1,2-Dichloroethene	7.209	96	92007	20.462	ug/l	88
28) Bromochloromethane	7.538	49	45728	18.183	ug/l #	79
29) Tetrahydrofuran	7.556	42	63552	104.936	ug/l	93
30) Chloroform	7.703	83	155339	20.383	ug/l	99
31) Cyclohexane	7.979	56	116719	18.071	ug/l	86
32) 1,1,1-Trichloroethane	7.897	97	136172	20.429	ug/l	97
36) 1,1-Dichloropropene	8.109	75	111709	19.949	ug/l	95
37) Ethyl Acetate	7.285	43	47397	21.428	ug/l #	93
38) Carbon Tetrachloride	8.091	117	117384	20.679	ug/l	98
39) Methylcyclohexane	9.344	83	118296	18.956	ug/l	96
40) Benzene	8.344	78	332923	20.629	ug/l	99

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	27283	21.171	ug/l	94
42) 1,2-Dichloroethane	8.415	62	94428	21.028	ug/l	97
43) Isopropyl Acetate	8.450	43	85432	20.896	ug/l #	91
44) Trichloroethene	9.103	130	86935	20.200	ug/l	91
45) 1,2-Dichloropropane	9.379	63	83296	20.494	ug/l	98
46) Dibromomethane	9.467	93	45294	20.291	ug/l	94
47) Bromodichloromethane	9.656	83	120609	21.117	ug/l	99
48) Methyl methacrylate	9.450	41	39684	19.293	ug/l #	83
49) 1,4-Dioxane	9.450	88	11194	485.598	ug/l	91
51) 4-Methyl-2-Pentanone	10.220	43	231769	109.149	ug/l	94
52) Toluene	10.397	92	214870	21.069	ug/l	98
53) t-1,3-Dichloropropene	10.608	75	108092	20.948	ug/l	99
54) cis-1,3-Dichloropropene	10.079	75	125771	20.368	ug/l	89
55) 1,1,2-Trichloroethane	10.791	97	63613	21.074	ug/l	96
56) Ethyl methacrylate	10.656	69	69722	20.775	ug/l #	84
57) 1,3-Dichloropropane	10.938	76	108154	21.354	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.932	63	143372	103.761	ug/l	96
59) 2-Hexanone	10.973	43	151411	108.155	ug/l	95
60) Dibromochloromethane	11.132	129	84636	22.486	ug/l	93
61) 1,2-Dibromoethane	11.232	107	62064	21.517	ug/l	97
64) Tetrachloroethene	10.867	164	72304	20.284	ug/l	94
65) Chlorobenzene	11.661	112	234348	20.990	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	87963	21.244	ug/l	99
67) Ethyl Benzene	11.738	91	393223	20.063	ug/l	99
68) m/p-Xylenes	11.844	106	315841	41.479	ug/l	98
69) o-Xylene	12.167	106	144329	20.633	ug/l	93
70) Styrene	12.185	104	259880	21.594	ug/l	96
71) Bromoform	12.350	173	46402	21.774	ug/l #	94
73) Isopropylbenzene	12.467	105	386803	19.780	ug/l	100
74) N-amyl acetate	12.279	43	84951	19.913	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.714	83	75305	20.880	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	51199m	19.023	ug/l	
77) Bromobenzene	12.750	156	93748	20.365	ug/l	91
78) n-propylbenzene	12.808	91	493833	20.115	ug/l	100
79) 2-Chlorotoluene	12.897	91	280473	19.786	ug/l	96
80) 1,3,5-Trimethylbenzene	12.944	105	336355	20.305	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	22350	19.935	ug/l	88
82) 4-Chlorotoluene	12.991	91	301926	20.321	ug/l	100
83) tert-Butylbenzene	13.208	119	274236	19.643	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	333914	20.404	ug/l	98
85) sec-Butylbenzene	13.385	105	426443	20.004	ug/l	99
86) p-Isopropyltoluene	13.502	119	355308	20.446	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	195363	21.055	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	189272	20.207	ug/l	98
89) n-Butylbenzene	13.826	91	333648	20.151	ug/l	99
90) Hexachloroethane	14.091	117	70715	19.667	ug/l	96
91) 1,2-Dichlorobenzene	13.873	146	168925	21.041	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.485	75	11122	20.137	ug/l	88
93) 1,2,4-Trichlorobenzene	15.144	180	95923	21.045	ug/l	99
94) Hexachlorobutadiene	15.249	225	52262	20.348	ug/l	96
95) Naphthalene	15.379	128	163816	20.498	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	86389	21.380	ug/l	99

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

