

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082422\
 Data File : VD074215.D
 Acq On : 24 Aug 2022 11:16
 Operator : VA/SY
 Sample : VD0824SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0824SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/25/2022
 Supervised By :Mahesh Dadoda 08/25/2022

Quant Time: Aug 25 05:02:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D082322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 23 13:12:17 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	152663	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	246649	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.631	117	236343	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	121594	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	73527	47.133	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.260%		
35) Dibromofluoromethane	7.902	113	82252	49.856	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.720%		
50) Toluene-d8	10.331	98	248744	46.847	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	93.700%		
62) 4-Bromofluorobenzene	12.620	95	107618	51.304	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	102.600%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	25214	19.682	ug/l	96
3) Chloromethane	2.208	50	15591	17.081	ug/l	97
4) Vinyl Chloride	2.344	62	17010	17.752	ug/l	95
5) Bromomethane	2.750	94	11368	18.371	ug/l #	72
6) Chloroethane	2.914	64	11724	18.854	ug/l	99
7) Trichlorofluoromethane	3.261	101	54641	19.629	ug/l	95
8) Diethyl Ether	3.708	74	13294	17.772	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.091	101	33091	19.647	ug/l	96
10) Methyl Iodide	4.297	142	31488	16.229	ug/l #	93
11) Tert butyl alcohol	5.232	59	10105	104.021	ug/l #	89
12) 1,1-Dichloroethene	4.061	96	27288	18.116	ug/l	89
13) Acrolein	3.920	56	5361	123.930	ug/l	95
14) Allyl chloride	4.708	41	43340	18.378	ug/l	93
15) Acrylonitrile	5.414	53	34994	100.612	ug/l	98
16) Acetone	4.155	43	33353	112.222	ug/l	95
17) Carbon Disulfide	4.402	76	64264	14.707	ug/l	99
18) Methyl Acetate	4.714	43	18538	20.311	ug/l	95
19) Methyl tert-butyl Ether	5.473	73	69331	19.220	ug/l	98
20) Methylene Chloride	4.961	84	42117	18.544	ug/l	85
21) trans-1,2-Dichloroethene	5.467	96	32333	18.357	ug/l	86
22) Diisopropyl ether	6.361	45	100270	20.733	ug/l #	95
23) Vinyl Acetate	6.296	43	234157m	92.466	ug/l	
24) 1,1-Dichloroethane	6.255	63	65054	20.403	ug/l	97
25) 2-Butanone	7.208	43	47751	103.784	ug/l	97
26) 2,2-Dichloropropane	7.202	77	59261	20.628	ug/l	100
27) cis-1,2-Dichloroethene	7.202	96	38689	19.547	ug/l	94
28) Bromochloromethane	7.538	49	19653	20.392	ug/l #	80
29) Tetrahydrofuran	7.555	42	27011	97.279	ug/l	89
30) Chloroform	7.702	83	73146	21.758	ug/l	98
31) Cyclohexane	7.979	56	47391	17.067	ug/l #	84
32) 1,1,1-Trichloroethane	7.890	97	64230	20.618	ug/l	96
36) 1,1-Dichloropropene	8.102	75	48272	19.359	ug/l	97
37) Ethyl Acetate	7.285	43	19266	19.596	ug/l #	92
38) Carbon Tetrachloride	8.090	117	54203	20.235	ug/l	97
39) Methylcyclohexane	9.349	83	47835	16.728	ug/l	96
40) Benzene	8.343	78	138284	19.674	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	11241	19.021	ug/l #	90
42) 1,2-Dichloroethane	8.420	62	41801	20.175	ug/l	95
43) Isopropyl Acetate	8.443	43	39075	19.759	ug/l #	92
44) Trichloroethene	9.102	130	39884	19.572	ug/l	90
45) 1,2-Dichloropropane	9.373	63	36227	20.647	ug/l	96
46) Dibromomethane	9.467	93	20382	20.822	ug/l	94
47) Bromodichloromethane	9.649	83	53578	21.044	ug/l #	98
48) Methyl methacrylate	9.449	41	17054	18.653	ug/l #	81
49) 1,4-Dioxane	9.455	88	4668	420.267	ug/l	88
51) 4-Methyl-2-Pentanone	10.220	43	96606	97.778	ug/l	92
52) Toluene	10.390	92	89131	19.291	ug/l	97
53) t-1,3-Dichloropropene	10.608	75	44303	19.188	ug/l	89
54) cis-1,3-Dichloropropene	10.079	75	54801	20.018	ug/l	91
55) 1,1,2-Trichloroethane	10.790	97	28117	21.002	ug/l	96
56) Ethyl methacrylate	10.649	69	29049	18.994	ug/l	88
57) 1,3-Dichloropropane	10.937	76	44539	19.909	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.931	63	47261	102.089	ug/l #	89
59) 2-Hexanone	10.973	43	66767	100.227	ug/l	96
60) Dibromochloromethane	11.126	129	37436	21.532	ug/l	96
61) 1,2-Dibromoethane	11.237	107	27064	20.725	ug/l	94
64) Tetrachloroethene	10.861	164	32834	19.038	ug/l	95
65) Chlorobenzene	11.661	112	100522	19.515	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.731	131	40099	20.707	ug/l	97
67) Ethyl Benzene	11.731	91	168998	19.171	ug/l	95
68) m/p-Xylenes	11.843	106	137486	39.157	ug/l	97
69) o-Xylene	12.167	106	61615	19.018	ug/l	94
70) Styrene	12.178	104	111132	20.007	ug/l	97
71) Bromoform	12.349	173	21134	20.067	ug/l #	96
73) Isopropylbenzene	12.467	105	164933	18.733	ug/l	98
74) N-amyl acetate	12.273	43	34521	18.025	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.714	83	32728	20.813	ug/l	97
76) 1,2,3-Trichloropropane	12.767	75	21176m	17.836	ug/l	
77) Bromobenzene	12.749	156	42047	20.158	ug/l	85
78) n-propylbenzene	12.808	91	211180	19.612	ug/l	97
79) 2-Chlorotoluene	12.890	91	123408	19.848	ug/l	98
80) 1,3,5-Trimethylbenzene	12.943	105	150656	19.918	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	8882	19.238	ug/l	86
82) 4-Chlorotoluene	12.990	91	130000	19.765	ug/l	98
83) tert-Butylbenzene	13.208	119	123057	19.314	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	150619	20.461	ug/l	100
85) sec-Butylbenzene	13.384	105	191932	19.929	ug/l	98
86) p-Isopropyltoluene	13.502	119	157385	19.806	ug/l	98
87) 1,3-Dichlorobenzene	13.502	146	86827	20.578	ug/l	99
88) 1,4-Dichlorobenzene	13.578	146	88424	20.801	ug/l	99
89) n-Butylbenzene	13.825	91	147833	19.628	ug/l	99
90) Hexachloroethane	14.090	117	33260	20.631	ug/l	97
91) 1,2-Dichlorobenzene	13.872	146	74148	20.211	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.484	75	4679	18.176	ug/l	83
93) 1,2,4-Trichlorobenzene	15.137	180	44598	19.918	ug/l	97
94) Hexachlorobutadiene	15.243	225	25273	20.113	ug/l	98
95) Naphthalene	15.372	128	73141	18.455	ug/l	99
96) 1,2,3-Trichlorobenzene	15.567	180	38025	19.473	ug/l	98

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

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