

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091322\
 Data File : VD074265.D
 Acq On : 13 Sep 2022 14:49
 Operator : VA/SY
 Sample : VD0913SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0913SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/14/2022
 Supervised By :Mahesh Dadoda 09/14/2022

Quant Time: Sep 13 15:43:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 10 04:45:19 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.869	168	102548	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	171706	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.575	117	152984	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.504	152	76577	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	56132	53.690	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.380%			
35) Dibromofluoromethane	7.805	113	58783	51.239	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.480%			
50) Toluene-d8	10.263	98	227745	54.109	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.220%			
62) 4-Bromofluorobenzene	12.563	95	73438	49.951	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.900%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	22154	26.172	ug/l	96
3) Chloromethane	2.140	50	18316	23.893	ug/l	100
4) Vinyl Chloride	2.269	62	16589	25.403	ug/l	100
5) Bromomethane	2.658	94	9555	27.785	ug/l	93
6) Chloroethane	2.817	64	9802	25.206	ug/l	99
7) Trichlorofluoromethane	3.152	101	40267	22.163	ug/l	99
8) Diethyl Ether	3.587	74	12216	20.840	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.946	101	25911	22.165	ug/l	99
10) Methyl Iodide	4.152	142	28757	20.642	ug/l	98
11) Tert butyl alcohol	5.058	59	8952	104.987	ug/l #	93
12) 1,1-Dichloroethene	3.928	96	24388	21.612	ug/l	93
13) Acrolein	3.787	56	8222	90.717	ug/l	94
14) Allyl chloride	4.546	41	37802	21.585	ug/l	99
15) Acrylonitrile	5.258	53	29485	107.884	ug/l	98
16) Acetone	4.022	43	24331	112.748	ug/l	95
17) Carbon Disulfide	4.258	76	74036	22.743	ug/l	98
18) Methyl Acetate	4.558	43	17290	23.948	ug/l	99
19) Methyl tert-butyl Ether	5.311	73	57872	21.171	ug/l	98
20) Methylene Chloride	4.793	84	41902	29.379	ug/l	97
21) trans-1,2-Dichloroethene	5.299	96	27549	21.641	ug/l	96
22) Diisopropyl ether	6.216	45	79925	21.506	ug/l	97
23) Vinyl Acetate	6.152	43	180297	102.736	ug/l	98
24) 1,1-Dichloroethane	6.105	63	49836	21.707	ug/l	96
25) 2-Butanone	7.087	43	39356	109.347	ug/l	96
26) 2,2-Dichloropropane	7.075	77	41596	20.738	ug/l	99
27) cis-1,2-Dichloroethene	7.081	96	30358	20.871	ug/l	97
28) Bromochloromethane	7.428	49	12292	17.434	ug/l	100
29) Tetrahydrofuran	7.440	42	23649	106.580	ug/l	98
30) Chloroform	7.593	83	49490	21.719	ug/l	94
31) Cyclohexane	7.869	56	45041	20.846	ug/l	97
32) 1,1,1-Trichloroethane	7.787	97	43467	21.741	ug/l	98
36) 1,1-Dichloropropene	7.999	75	39627	21.322	ug/l	98
37) Ethyl Acetate	7.163	43	17290	21.453	ug/l #	77
38) Carbon Tetrachloride	7.987	117	35848	21.319	ug/l	93
39) Methylcyclohexane	9.269	83	47862	20.804	ug/l	98
40) Benzene	8.246	78	108873	21.168	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	8657	19.285	ug/l #	82
42) 1,2-Dichloroethane	8.322	62	28993	21.330	ug/l	99
43) Isopropyl Acetate	8.357	43	31938	20.516	ug/l	97
44) Trichloroethene	9.022	130	30138	21.110	ug/l	93
45) 1,2-Dichloropropane	9.299	63	27787	20.787	ug/l	95
46) Dibromomethane	9.387	93	15000	21.613	ug/l	95
47) Bromodichloromethane	9.581	83	36960	21.167	ug/l	98
48) Methyl methacrylate	9.375	41	15812	21.505	ug/l	98
49) 1,4-Dioxane	9.381	88	3734	454.329	ug/l	97
51) 4-Methyl-2-Pentanone	10.151	43	83571	106.215	ug/l	99
52) Toluene	10.328	92	68974	20.907	ug/l	97
53) t-1,3-Dichloropropene	10.546	75	32684	19.857	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	41303	20.367	ug/l	97
55) 1,1,2-Trichloroethane	10.728	97	20728	21.605	ug/l	98
56) Ethyl methacrylate	10.593	69	26586	20.856	ug/l	98
57) 1,3-Dichloropropane	10.875	76	35033	20.691	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.863	63	27794	112.911	ug/l	100
59) 2-Hexanone	10.916	43	57363	107.362	ug/l	97
60) Dibromochloromethane	11.063	129	24180	20.696	ug/l	99
61) 1,2-Dibromoethane	11.175	107	19872	21.762	ug/l	100
64) Tetrachloroethene	10.804	164	25461	21.767	ug/l	93
65) Chlorobenzene	11.598	112	74771	21.741	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.675	131	25847	20.984	ug/l	99
67) Ethyl Benzene	11.675	91	135488	21.090	ug/l	100
68) m/p-Xylenes	11.787	106	105622	43.319	ug/l	98
69) o-Xylene	12.110	106	48660	21.117	ug/l	99
70) Styrene	12.128	104	82450	21.453	ug/l	99
71) Bromoform	12.287	173	14786	21.562	ug/l #	97
73) Isopropylbenzene	12.410	105	129414	19.975	ug/l	98
74) N-amyl acetate	12.222	43	31023	20.333	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.663	83	24356	20.646	ug/l	96
76) 1,2,3-Trichloropropane	12.710	75	16860m	21.477	ug/l	
77) Bromobenzene	12.692	156	29178	20.522	ug/l	97
78) n-propylbenzene	12.751	91	163148	20.535	ug/l	99
79) 2-Chlorotoluene	12.840	91	86192	20.056	ug/l	96
80) 1,3,5-Trimethylbenzene	12.892	105	107885	20.098	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.463	75	5896	18.518	ug/l #	100
82) 4-Chlorotoluene	12.934	91	90078	20.588	ug/l	100
83) tert-Butylbenzene	13.157	119	95148	20.252	ug/l	99
84) 1,2,4-Trimethylbenzene	13.198	105	107154	20.563	ug/l	100
85) sec-Butylbenzene	13.334	105	144766	20.340	ug/l	98
86) p-Isopropyltoluene	13.445	119	120434	20.717	ug/l	99
87) 1,3-Dichlorobenzene	13.445	146	58526	20.184	ug/l	96
88) 1,4-Dichlorobenzene	13.522	146	58285	20.440	ug/l	99
89) n-Butylbenzene	13.775	91	115702	20.368	ug/l	100
90) Hexachloroethane	14.039	117	22650	21.299	ug/l	98
91) 1,2-Dichlorobenzene	13.822	146	51731	20.514	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.434	75	3479	20.987	ug/l	94
93) 1,2,4-Trichlorobenzene	15.081	180	33501	19.219	ug/l	99
94) Hexachlorobutadiene	15.186	225	19912	19.990	ug/l	99
95) Naphthalene	15.316	128	65700	20.171	ug/l	100
96) 1,2,3-Trichlorobenzene	15.504	180	30180	20.168	ug/l	97

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

