

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091922\
 Data File : VD074345.D
 Acq On : 19 Sep 2022 13:25
 Operator : VA/SY
 Sample : VD0919SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0919SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/20/2022
 Supervised By :Mahesh Dadoda 09/20/2022

Quant Time: Sep 19 23:00:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091622S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 17 04:16:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	96552	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	171628	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.575	117	152133	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	75255	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	49353	52.479	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.960%			
35) Dibromofluoromethane	7.805	113	52902	46.801	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.600%			
50) Toluene-d8	10.263	98	208613	53.487	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.980%			
62) 4-Bromofluorobenzene	12.563	95	64538	48.674	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.340%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	18229	20.495	ug/l	96
3) Chloromethane	2.140	50	16012	18.930	ug/l	99
4) Vinyl Chloride	2.275	62	15779	19.008	ug/l	97
5) Bromomethane	2.669	94	9679	18.860	ug/l	85
6) Chloroethane	2.817	64	9886	20.270	ug/l	99
7) Trichlorofluoromethane	3.164	101	32827	20.293	ug/l	98
8) Diethyl Ether	3.587	74	10401	20.171	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.958	101	21622	21.258	ug/l	99
10) Methyl Iodide	4.152	142	23716	18.876	ug/l	99
11) Tert butyl alcohol	5.058	59	6548	103.030	ug/l #	86
12) 1,1-Dichloroethene	3.928	96	20633	19.928	ug/l	98
13) Acrolein	3.793	56	6989	101.970	ug/l	98
14) Allyl chloride	4.552	41	32407	21.627	ug/l	98
15) Acrylonitrile	5.252	53	23591	103.795	ug/l	99
16) Acetone	4.016	43	19093	90.116	ug/l	100
17) Carbon Disulfide	4.264	76	63632	18.874	ug/l	99
18) Methyl Acetate	4.564	43	12922	21.524	ug/l	96
19) Methyl tert-butyl Ether	5.316	73	46941	21.171	ug/l	100
20) Methylene Chloride	4.793	84	38735	24.839	ug/l	94
21) trans-1,2-Dichloroethene	5.299	96	23739	20.707	ug/l	91
22) Diisopropyl ether	6.210	45	69455	22.007	ug/l	96
23) Vinyl Acetate	6.152	43	151518	103.388	ug/l	98
24) 1,1-Dichloroethane	6.105	63	43676	21.500	ug/l #	94
25) 2-Butanone	7.075	43	30632	97.068	ug/l	96
26) 2,2-Dichloropropane	7.069	77	34690	20.686	ug/l	98
27) cis-1,2-Dichloroethene	7.075	96	27116	21.349	ug/l	99
28) Bromochloromethane	7.422	49	15491	19.749	ug/l	99
29) Tetrahydrofuran	7.446	42	19122	105.734	ug/l	99
30) Chloroform	7.599	83	42316	21.184	ug/l	92
31) Cyclohexane	7.869	56	39907	20.233	ug/l	95
32) 1,1,1-Trichloroethane	7.787	97	37027	21.013	ug/l	98
36) 1,1-Dichloropropene	8.005	75	36392	21.091	ug/l	98
37) Ethyl Acetate	7.157	43	13773	19.924	ug/l	97
38) Carbon Tetrachloride	7.993	117	29520	19.306	ug/l	98
39) Methylcyclohexane	9.269	83	41433	19.852	ug/l	94
40) Benzene	8.252	78	97722	20.199	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	8764	23.358	ug/l	96
42) 1,2-Dichloroethane	8.328	62	24427	19.769	ug/l	100
43) Isopropyl Acetate	8.363	43	26304	20.625	ug/l	99
44) Trichloroethene	9.028	130	25971	20.418	ug/l	89
45) 1,2-Dichloropropane	9.299	63	24306	19.976	ug/l	90
46) Dibromomethane	9.393	93	12350	19.733	ug/l	97
47) Bromodichloromethane	9.581	83	31648	20.530	ug/l	97
48) Methyl methacrylate	9.375	41	11966	19.389	ug/l	95
49) 1,4-Dioxane	9.381	88	2897	422.968	ug/l	93
51) 4-Methyl-2-Pentanone	10.157	43	66808	99.706	ug/l	97
52) Toluene	10.328	92	65651	22.030	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	27860	20.257	ug/l	92
54) cis-1,3-Dichloropropene	10.016	75	35730	20.080	ug/l	97
55) 1,1,2-Trichloroethane	10.734	97	17331	21.022	ug/l	96
56) Ethyl methacrylate	10.593	69	22822	21.132	ug/l	98
57) 1,3-Dichloropropane	10.875	76	30688	20.596	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	22598	94.196	ug/l	98
59) 2-Hexanone	10.916	43	46002	98.153	ug/l	97
60) Dibromochloromethane	11.069	129	23452	23.755	ug/l	89
61) 1,2-Dibromoethane	11.175	107	16458	20.787	ug/l	96
64) Tetrachloroethene	10.804	164	20833	20.202	ug/l	98
65) Chlorobenzene	11.604	112	63805	20.358	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.675	131	22715	21.105	ug/l	98
67) Ethyl Benzene	11.681	91	119856	20.845	ug/l	99
68) m/p-Xylenes	11.787	106	91038	41.334	ug/l	99
69) o-Xylene	12.116	106	42051	20.892	ug/l	97
70) Styrene	12.128	104	74105	21.617	ug/l	98
71) Bromoform	12.293	173	12030	20.829	ug/l #	99
73) Isopropylbenzene	12.416	105	113282	19.572	ug/l	99
74) N-amyl acetate	12.228	43	25623	20.032	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.663	83	20164	20.051	ug/l	96
76) 1,2,3-Trichloropropane	12.716	75	14939m	21.456	ug/l	
77) Bromobenzene	12.692	156	25445	20.118	ug/l	98
78) n-propylbenzene	12.757	91	143866	20.038	ug/l	99
79) 2-Chlorotoluene	12.840	91	76212	20.128	ug/l	99
80) 1,3,5-Trimethylbenzene	12.898	105	95580	20.196	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.457	75	4683	16.856	ug/l #	100
82) 4-Chlorotoluene	12.940	91	80293	20.448	ug/l	99
83) tert-Butylbenzene	13.157	119	84640	20.167	ug/l	99
84) 1,2,4-Trimethylbenzene	13.204	105	93449	20.070	ug/l	100
85) sec-Butylbenzene	13.340	105	123206	19.783	ug/l	99
86) p-Isopropyltoluene	13.451	119	104540	20.085	ug/l	99
87) 1,3-Dichlorobenzene	13.451	146	53118	20.431	ug/l	99
88) 1,4-Dichlorobenzene	13.528	146	51827	20.397	ug/l	98
89) n-Butylbenzene	13.781	91	101299	19.871	ug/l	99
90) Hexachloroethane	14.045	117	19247	19.593	ug/l	96
91) 1,2-Dichlorobenzene	13.822	146	44381	20.246	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.439	75	2769	18.523	ug/l	97
93) 1,2,4-Trichlorobenzene	15.092	180	28709	19.415	ug/l	98
94) Hexachlorobutadiene	15.192	225	17022	20.262	ug/l	97
95) Naphthalene	15.322	128	52456	19.138	ug/l	98
96) 1,2,3-Trichlorobenzene	15.510	180	25247	19.866	ug/l	99

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

