

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100722\
 Data File : VD074482.D
 Acq On : 07 Oct 2022 10:35
 Operator : VA/SY
 Sample : VD1007SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/10/2022
 Supervised By :Mahesh Dadoda 10/10/2022

Quant Time: Oct 08 02:23:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100522S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 01:54:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	91672	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	158906	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	146503	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	69152	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	41602	51.078	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.160%			
35) Dibromofluoromethane	7.805	113	49336	47.083	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 94.160%			
50) Toluene-d8	10.269	98	202219	52.732	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.460%			
62) 4-Bromofluorobenzene	12.569	95	56243	47.207	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 94.420%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	15232	18.827	ug/l	94
3) Chloromethane	2.146	50	22958	20.567	ug/l	91
4) Vinyl Chloride	2.281	62	19776	20.409	ug/l	94
5) Bromomethane	2.675	94	12956	22.851	ug/l	99
6) Chloroethane	2.828	64	13384	20.972	ug/l	97
7) Trichlorofluoromethane	3.170	101	32713	20.618	ug/l	93
8) Diethyl Ether	3.587	74	9103	18.553	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.964	101	21511	20.979	ug/l	96
10) Methyl Iodide	4.158	142	18347	17.547	ug/l	99
11) Tert butyl alcohol	5.028	59	9952m	71.006	ug/l	
12) 1,1-Dichloroethene	3.940	96	22470	20.799	ug/l	92
13) Acrolein	3.793	56	5525	102.814	ug/l	95
14) Allyl chloride	4.564	41	23144	18.715	ug/l	98
15) Acrylonitrile	5.258	53	19614	100.543	ug/l	96
16) Acetone	4.022	43	15260	78.522	ug/l	98
17) Carbon Disulfide	4.269	76	68864	20.198	ug/l	97
18) Methyl Acetate	4.558	43	10108	20.429	ug/l	98
19) Methyl tert-butyl Ether	5.311	73	41292	19.394	ug/l	95
20) Methylene Chloride	4.805	84	28746	19.746	ug/l	94
21) trans-1,2-Dichloroethene	5.311	96	24301	20.337	ug/l	97
22) Diisopropyl ether	6.211	45	50690	20.111	ug/l	96
23) Vinyl Acetate	6.152	43	95262	82.157	ug/l	94
24) 1,1-Dichloroethane	6.111	63	37609	20.560	ug/l	98
25) 2-Butanone	7.087	43	21044	90.077	ug/l	99
26) 2,2-Dichloropropane	7.069	77	32266	19.967	ug/l	100
27) cis-1,2-Dichloroethene	7.075	96	25770	20.389	ug/l	99
28) Bromochloromethane	7.416	49	10846	20.085	ug/l	89
29) Tetrahydrofuran	7.440	42	12266	93.849	ug/l	97
30) Chloroform	7.593	83	38247	20.234	ug/l	94
31) Cyclohexane	7.869	56	30742	18.791	ug/l	93
32) 1,1,1-Trichloroethane	7.793	97	33626	20.140	ug/l	95
36) 1,1-Dichloropropene	8.005	75	30202	20.534	ug/l	96
37) Ethyl Acetate	7.175	43	9230	19.111	ug/l	96
38) Carbon Tetrachloride	7.993	117	26810	20.570	ug/l	89
39) Methylcyclohexane	9.269	83	35654	19.769	ug/l	92
40) Benzene	8.252	78	87259	20.428	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	5019	18.991	ug/l #	95
42) 1,2-Dichloroethane	8.328	62	19524	19.307	ug/l	97
43) Isopropyl Acetate	8.363	43	16857	18.302	ug/l	100
44) Trichloroethene	9.028	130	24967	20.801	ug/l	99
45) 1,2-Dichloropropane	9.305	63	19417	19.578	ug/l	93
46) Dibromomethane	9.393	93	11418	20.789	ug/l	89
47) Bromodichloromethane	9.581	83	27960	20.383	ug/l	98
48) Methyl methacrylate	9.375	41	8666	20.214	ug/l	90
49) 1,4-Dioxane	9.381	88	2333	398.833	ug/l #	88
51) 4-Methyl-2-Pentanone	10.157	43	44514	97.230	ug/l	97
52) Toluene	10.334	92	57925	21.454	ug/l	99
53) t-1,3-Dichloropropene	10.552	75	23509	18.776	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	30212	19.584	ug/l	97
55) 1,1,2-Trichloroethane	10.734	97	16261	21.056	ug/l	95
56) Ethyl methacrylate	10.599	69	17457	20.093	ug/l	98
57) 1,3-Dichloropropane	10.875	76	25419	20.424	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.863	63	10170	70.052	ug/l	97
59) 2-Hexanone	10.916	43	30773	98.015	ug/l	99
60) Dibromochloromethane	11.069	129	19022	21.136	ug/l	96
61) 1,2-Dibromoethane	11.175	107	14605	20.464	ug/l	98
64) Tetrachloroethene	10.810	164	20711	20.376	ug/l	92
65) Chlorobenzene	11.604	112	58684	20.044	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.675	131	20204	20.512	ug/l	99
67) Ethyl Benzene	11.681	91	106527	20.186	ug/l	99
68) m/p-Xylenes	11.793	106	84979	40.977	ug/l	99
69) o-Xylene	12.116	106	38055	19.972	ug/l	99
70) Styrene	12.134	104	67760	20.756	ug/l	98
71) Bromoform	12.298	173	10622	20.511	ug/l #	100
73) Isopropylbenzene	12.416	105	103210	20.294	ug/l	100
74) N-amyl acetate	12.234	43	16638	19.131	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.669	83	17031	20.145	ug/l	94
76) 1,2,3-Trichloropropane	12.722	75	11910m	22.436	ug/l	
77) Bromobenzene	12.698	156	23487	20.314	ug/l	96
78) n-propylbenzene	12.757	91	126734	20.397	ug/l	99
79) 2-Chlorotoluene	12.845	91	67661	20.446	ug/l	100
80) 1,3,5-Trimethylbenzene	12.898	105	85940	20.455	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	4044	16.997	ug/l	95
82) 4-Chlorotoluene	12.945	91	69516	20.576	ug/l	97
83) tert-Butylbenzene	13.163	119	73930	20.450	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	84313	20.423	ug/l	99
85) sec-Butylbenzene	13.340	105	114521	20.564	ug/l	99
86) p-Isopropyltoluene	13.457	119	94444	20.559	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	47617	20.350	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	47732	20.492	ug/l	98
89) n-Butylbenzene	13.781	91	88190	20.496	ug/l	98
90) Hexachloroethane	14.051	117	16272	19.967	ug/l	91
91) 1,2-Dichlorobenzene	13.828	146	40431	20.315	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.440	75	2272	18.347	ug/l	95
93) 1,2,4-Trichlorobenzene	15.092	180	25617	19.835	ug/l	99
94) Hexachlorobutadiene	15.192	225	13958	20.732	ug/l	95
95) Naphthalene	15.328	128	46604	18.913	ug/l	99
96) 1,2,3-Trichlorobenzene	15.516	180	22026	19.689	ug/l	99

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

