

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012323\
 Data File : VD075170.D
 Acq On : 23 Jan 2023 12:41
 Operator : KP/SY
 Sample : VD0123SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0123SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 01/24/2023
 Supervised By :Mahesh Dadoda 01/25/2023

Quant Time: Jan 23 14:04:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 19 01:32:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	75965	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	134615	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.586	117	120882	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	55819	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	42519	54.852	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.700%			
35) Dibromofluoromethane	7.804	113	43189	53.095	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.180%			
50) Toluene-d8	10.275	98	171966	53.692	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.380%			
62) 4-Bromofluorobenzene	12.575	95	52443	51.593	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.180%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	15727	24.883	ug/l	98
3) Chloromethane	2.146	50	22311	22.736	ug/l	99
4) Vinyl Chloride	2.281	62	21454	20.375	ug/l	97
5) Bromomethane	2.681	94	14268	19.925	ug/l	99
6) Chloroethane	2.834	64	14403	19.728	ug/l	99
7) Trichlorofluoromethane	3.175	101	28537	21.322	ug/l	94
8) Diethyl Ether	3.599	74	9150	21.218	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.969	101	18224	22.057	ug/l	98
10) Methyl Iodide	4.163	142	18478	16.614	ug/l	99
11) Tert butyl alcohol	5.057	59	4764	88.095	ug/l	98
12) 1,1-Dichloroethene	3.940	96	18833	21.652	ug/l	88
13) Acrolein	3.793	56	6555	133.694	ug/l	97
14) Allyl chloride	4.557	41	29258	20.726	ug/l	99
15) Acrylonitrile	5.263	53	19828	108.739	ug/l	99
16) Acetone	4.022	43	21044	102.932	ug/l	99
17) Carbon Disulfide	4.269	76	61624	21.843	ug/l	98
18) Methyl Acetate	4.569	43	12244	22.033	ug/l	99
19) Methyl tert-butyl Ether	5.316	73	38306	21.082	ug/l	96
20) Methylene Chloride	4.804	84	23024	16.321	ug/l	92
21) trans-1,2-Dichloroethene	5.310	96	20533	21.205	ug/l	92
22) Diisopropyl ether	6.216	45	56398	21.465	ug/l	96
23) Vinyl Acetate	6.151	43	84055	72.587	ug/l	95
24) 1,1-Dichloroethane	6.116	63	35445	21.467	ug/l	96
25) 2-Butanone	7.075	43	25853	104.627	ug/l	92
26) 2,2-Dichloropropane	7.075	77	28972	19.684	ug/l	98
27) cis-1,2-Dichloroethene	7.081	96	21924	20.771	ug/l	98
28) Bromochloromethane	7.428	49	10453	23.187	ug/l #	92
29) Tetrahydrofuran	7.445	42	15571	110.484	ug/l	99
30) Chloroform	7.598	83	34483	20.943	ug/l	96
31) Cyclohexane	7.881	56	34256	22.035	ug/l	97
32) 1,1,1-Trichloroethane	7.792	97	29804	21.010	ug/l	99
36) 1,1-Dichloropropene	8.010	75	27960	21.393	ug/l	98
37) Ethyl Acetate	7.163	43	11000	20.891	ug/l #	95
38) Carbon Tetrachloride	7.992	117	22389	20.346	ug/l	96
39) Methylcyclohexane	9.275	83	33566	20.840	ug/l	98
40) Benzene	8.257	78	78654	21.103	ug/l	96

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41) Methacrylonitrile	7.404	41	7222	22.795	ug/l #	81
42) 1,2-Dichloroethane	8.328	62	20898	21.346	ug/l	99
43) Isopropyl Acetate	8.363	43	20791	20.291	ug/l	99
44) Trichloroethene	9.028	130	20794	19.840	ug/l	99
45) 1,2-Dichloropropane	9.310	63	18276	19.906	ug/l	98
46) Dibromomethane	9.398	93	9857	20.357	ug/l	97
47) Bromodichloromethane	9.586	83	24926	20.750	ug/l	94
48) Methyl methacrylate	9.381	41	10292	20.541	ug/l	97
49) 1,4-Dioxane	9.392	88	1929	417.310	ug/l	97
51) 4-Methyl-2-Pentanone	10.163	43	53406	108.539	ug/l	97
52) Toluene	10.333	92	48991	20.800	ug/l	95
53) t-1,3-Dichloropropene	10.557	75	22549	19.841	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	28211	20.318	ug/l	99
55) 1,1,2-Trichloroethane	10.739	97	13890	21.677	ug/l	97
56) Ethyl methacrylate	10.598	69	16060	20.841	ug/l	97
57) 1,3-Dichloropropane	10.880	76	23562	21.399	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	25824	97.935	ug/l	99
59) 2-Hexanone	10.922	43	37764	106.145	ug/l	100
60) Dibromochloromethane	11.075	129	16432	21.275	ug/l	98
61) 1,2-Dibromoethane	11.186	107	12617	20.608	ug/l	98
64) Tetrachloroethene	10.810	164	17010	19.705	ug/l	97
65) Chlorobenzene	11.610	112	51042	20.606	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.680	131	16713	20.060	ug/l	98
67) Ethyl Benzene	11.686	91	93045	20.868	ug/l	99
68) m/p-Xylenes	11.798	106	70775	41.091	ug/l	99
69) o-Xylene	12.122	106	33643	20.823	ug/l	100
70) Styrene	12.139	104	55663	20.725	ug/l	99
71) Bromoform	12.304	173	8704	20.232	ug/l #	98
73) Isopropylbenzene	12.427	105	87779	19.909	ug/l	99
74) N-amyl acetate	12.233	43	18544	19.200	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.680	83	14559	20.725	ug/l	99
76) 1,2,3-Trichloropropane	12.727	75	7709m	16.307	ug/l	
77) Bromobenzene	12.704	156	19390	19.253	ug/l	94
78) n-propylbenzene	12.769	91	111140	20.513	ug/l	98
79) 2-Chlorotoluene	12.851	91	60099	20.168	ug/l	99
80) 1,3,5-Trimethylbenzene	12.910	105	73088	20.233	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.475	75	3702	18.164	ug/l	88
82) 4-Chlorotoluene	12.951	91	61479	20.067	ug/l	99
83) tert-Butylbenzene	13.169	119	63676	20.372	ug/l	97
84) 1,2,4-Trimethylbenzene	13.216	105	71966	20.286	ug/l	97
85) sec-Butylbenzene	13.351	105	96362	20.295	ug/l	97
86) p-Isopropyltoluene	13.463	119	77734	19.997	ug/l	99
87) 1,3-Dichlorobenzene	13.463	146	38931	19.942	ug/l	96
88) 1,4-Dichlorobenzene	13.539	146	38555	20.073	ug/l	98
89) n-Butylbenzene	13.792	91	77039	20.338	ug/l	98
90) Hexachloroethane	14.057	117	13805	20.111	ug/l	93
91) 1,2-Dichlorobenzene	13.833	146	32882	19.688	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.451	75	2227	20.733	ug/l	94
93) 1,2,4-Trichlorobenzene	15.104	180	19966	18.205	ug/l	99
94) Hexachlorobutadiene	15.210	225	9636	17.928	ug/l	96
95) Naphthalene	15.339	128	40202	18.413	ug/l	98
96) 1,2,3-Trichlorobenzene	15.533	180	16898	18.057	ug/l	99

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

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