

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071223\
 Data File : VD076724.D
 Acq On : 12 Jul 2023 10:46
 Operator : KP/SY
 Sample : VD0712SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0712SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/13/2023
 Supervised By : Mahesh Dadoda 07/13/2023

Quant Time: Jul 12 11:22:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 19 04:51:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.869	168	144949	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	276198	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	249139	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	114805	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	77942	53.669	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.340%			
35) Dibromofluoromethane	7.804	113	84389	51.432	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.860%			
50) Toluene-d8	10.269	98	304430	48.923	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.840%			
62) 4-Bromofluorobenzene	12.575	95	91671	45.392	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 90.780%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	26190	23.779	ug/l	99
3) Chloromethane	2.146	50	50759	22.159	ug/l	100
4) Vinyl Chloride	2.275	62	69086	27.037	ug/l	94
5) Bromomethane	2.675	94	51950	31.268	ug/l	97
6) Chloroethane	2.822	64	52519	29.988	ug/l	99
7) Trichlorofluoromethane	3.164	101	48157	22.901	ug/l	96
8) Diethyl Ether	3.599	74	16016	20.237	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.952	101	33026	24.386	ug/l	91
10) Methyl Iodide	4.152	142	27522	17.142	ug/l #	86
11) Tert butyl alcohol	5.063	59	11501	91.723	ug/l #	86
12) 1,1-Dichloroethene	3.928	96	28780	21.699	ug/l	95
13) Acrolein	3.793	56	13350	98.847	ug/l	94
14) Allyl chloride	4.552	41	41746	17.211	ug/l #	89
15) Acrylonitrile	5.246	53	41641	102.324	ug/l	97
16) Acetone	4.022	43	32888	95.167	ug/l	88
17) Carbon Disulfide	4.258	76	70765	19.527	ug/l	98
18) Methyl Acetate	4.558	43	28600	17.958	ug/l	89
19) Methyl tert-butyl Ether	5.316	73	76128	20.983	ug/l	96
20) Methylene Chloride	4.793	84	47363	19.752	ug/l	87
21) trans-1,2-Dichloroethene	5.305	96	34240	22.335	ug/l	94
22) Diisopropyl ether	6.210	45	99873	19.042	ug/l #	88
23) Vinyl Acetate	6.152	43	201911	77.665	ug/l #	90
24) 1,1-Dichloroethane	6.105	63	65503	22.365	ug/l	96
25) 2-Butanone	7.081	43	51183	95.756	ug/l	89
26) 2,2-Dichloropropane	7.069	77	52948	20.968	ug/l	96
27) cis-1,2-Dichloroethene	7.075	96	41019	22.109	ug/l	90
28) Bromochloromethane	7.428	49	19592	22.082	ug/l #	72
29) Tetrahydrofuran	7.446	42	29631	86.261	ug/l	85
30) Chloroform	7.593	83	66346	22.878	ug/l	100
31) Cyclohexane	7.875	56	50380	21.610	ug/l	93
32) 1,1,1-Trichloroethane	7.793	97	54338	23.179	ug/l	98
36) 1,1-Dichloropropene	8.004	75	48944	21.301	ug/l	91
37) Ethyl Acetate	7.169	43	22862	17.171	ug/l #	70
38) Carbon Tetrachloride	7.993	117	40820	19.876	ug/l	97
39) Methylcyclohexane	9.275	83	52859	19.603	ug/l	92
40) Benzene	8.252	78	142387	20.321	ug/l	98

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41) Methacrylonitrile	7.399	41	11489	15.281	ug/l #	71
42) 1,2-Dichloroethane	8.322	62	37999	20.070	ug/l	97
43) Isopropyl Acetate	8.363	43	43037	17.073	ug/l #	89
44) Trichloroethene	9.028	130	35520	18.792	ug/l	89
45) 1,2-Dichloropropane	9.304	63	39089	20.575	ug/l	92
46) Dibromomethane	9.387	93	20553	20.195	ug/l #	86
47) Bromodichloromethane	9.587	83	53466	21.953	ug/l	96
48) Methyl methacrylate	9.381	41	18775	16.251	ug/l #	76
49) 1,4-Dioxane	9.381	88	4391	360.095	ug/l #	76
51) 4-Methyl-2-Pentanone	10.163	43	110280	85.586	ug/l	92
52) Toluene	10.334	92	88467	20.120	ug/l	97
53) t-1,3-Dichloropropene	10.557	75	47835	19.356	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	56085	19.141	ug/l #	88
55) 1,1,2-Trichloroethane	10.734	97	29608	20.798	ug/l	95
56) Ethyl methacrylate	10.598	69	35378	19.032	ug/l #	83
57) 1,3-Dichloropropane	10.881	76	50916	20.890	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.869	63	79855	101.331	ug/l	91
59) 2-Hexanone	10.922	43	76768	85.649	ug/l	87
60) Dibromochloromethane	11.075	129	33002	19.920	ug/l	97
61) 1,2-Dibromoethane	11.181	107	26879	20.113	ug/l	98
64) Tetrachloroethene	10.804	164	26632	17.808	ug/l	87
65) Chlorobenzene	11.604	112	96202	20.325	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	33369	19.713	ug/l	98
67) Ethyl Benzene	11.681	91	171643	20.466	ug/l	98
68) m/p-Xylenes	11.792	106	131404	40.138	ug/l	92
69) o-Xylene	12.122	106	61927	19.871	ug/l	91
70) Styrene	12.134	104	106218	19.731	ug/l	96
71) Bromoform	12.298	173	18378	18.082	ug/l #	97
73) Isopropylbenzene	12.422	105	163135	21.105	ug/l	94
74) N-amyl acetate	12.234	43	38737	17.119	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.675	83	36422	22.835	ug/l	98
76) 1,2,3-Trichloropropane	12.728	75	24054m	21.111	ug/l	
77) Bromobenzene	12.698	156	34911	18.307	ug/l	77
78) n-propylbenzene	12.763	91	208911	21.889	ug/l	93
79) 2-Chlorotoluene	12.851	91	109352	20.865	ug/l	93
80) 1,3,5-Trimethylbenzene	12.904	105	130369	20.653	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.469	75	10374	19.950	ug/l	92
82) 4-Chlorotoluene	12.945	91	117867	21.656	ug/l	92
83) tert-Butylbenzene	13.169	119	115411	20.577	ug/l	95
84) 1,2,4-Trimethylbenzene	13.210	105	129681	20.386	ug/l	95
85) sec-Butylbenzene	13.345	105	179572	21.574	ug/l	94
86) p-Isopropyltoluene	13.457	119	143232	20.595	ug/l	94
87) 1,3-Dichlorobenzene	13.457	146	73164	19.532	ug/l	97
88) 1,4-Dichlorobenzene	13.539	146	74310	19.891	ug/l	97
89) n-Butylbenzene	13.787	91	146126	21.541	ug/l	98
90) Hexachloroethane	14.051	117	27749	21.621	ug/l	82
91) 1,2-Dichlorobenzene	13.828	146	67427	20.600	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.451	75	5781	24.080	ug/l	80
93) 1,2,4-Trichlorobenzene	15.098	180	43079	19.748	ug/l	99
94) Hexachlorobutadiene	15.204	225	20928	19.733	ug/l	97
95) Naphthalene	15.333	128	90495	20.745	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	38782	20.405	ug/l	98

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

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