

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052523\
 Data File : VD076229.D
 Acq On : 25 May 2023 13:12
 Operator : KP/SY
 Sample : VD0525SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0525SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/26/2023
 Supervised By :Mahesh Dadoda 05/26/2023

Quant Time: May 25 17:11:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 10:08:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	175726	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	301827	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	286681	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	154130	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	82893	48.808	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.620%		
35) Dibromofluoromethane	7.804	113	96349	46.182	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.360%		
50) Toluene-d8	10.269	98	378372	46.524	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	93.040%		
62) 4-Bromofluorobenzene	12.575	95	106502	47.142	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	94.280%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	29968	18.909	ug/l	98
3) Chloromethane	2.146	50	63154	21.756	ug/l	97
4) Vinyl Chloride	2.281	62	77843	22.775	ug/l	99
5) Bromomethane	2.675	94	53481	23.241	ug/l	96
6) Chloroethane	2.828	64	53731	23.366	ug/l	95
7) Trichlorofluoromethane	3.169	101	59414	20.508	ug/l	96
8) Diethyl Ether	3.593	74	19116	20.065	ug/l	74
9) 1,1,2-Trichlorotrifluo...	3.958	101	38718	20.289	ug/l	96
10) Methyl Iodide	4.158	142	45384	22.873	ug/l #	87
11) Tert butyl alcohol	5.058	59	9506m	105.811	ug/l	
12) 1,1-Dichloroethene	3.934	96	39421	20.756	ug/l	82
13) Acrolein	3.793	56	17491	79.550	ug/l	98
14) Allyl chloride	4.563	41	39198	20.336	ug/l #	78
15) Acrylonitrile	5.252	53	42781	108.450	ug/l	98
16) Acetone	4.022	43	37906	112.179	ug/l	89
17) Carbon Disulfide	4.263	76	106628	19.012	ug/l	98
18) Methyl Acetate	4.558	43	26198	21.734	ug/l #	80
19) Methyl tert-butyl Ether	5.316	73	77312	20.798	ug/l	97
20) Methylene Chloride	4.799	84	84878	27.244	ug/l #	77
21) trans-1,2-Dichloroethene	5.305	96	46286	21.146	ug/l #	73
22) Diisopropyl ether	6.216	45	98548	22.027	ug/l #	94
23) Vinyl Acetate	6.152	43	222794	126.648	ug/l #	92
24) 1,1-Dichloroethane	6.110	63	77624	21.999	ug/l	99
25) 2-Butanone	7.087	43	47000	110.621	ug/l #	88
26) 2,2-Dichloropropane	7.075	77	60978	21.194	ug/l	92
27) cis-1,2-Dichloroethene	7.075	96	49295	20.294	ug/l	86
28) Bromochloromethane	7.422	49	26142	22.220	ug/l #	68
29) Tetrahydrofuran	7.440	42	27125	109.533	ug/l #	71
30) Chloroform	7.593	83	83907	22.237	ug/l	98
31) Cyclohexane	7.875	56	51880	19.946	ug/l #	77
32) 1,1,1-Trichloroethane	7.793	97	63812	21.221	ug/l	97
36) 1,1-Dichloropropene	8.004	75	56332	19.993	ug/l	95
37) Ethyl Acetate	7.169	43	20695	21.211	ug/l #	88
38) Carbon Tetrachloride	7.987	117	49218	19.339	ug/l	98
39) Methylcyclohexane	9.275	83	57654	17.773	ug/l	95
40) Benzene	8.251	78	182365	20.131	ug/l	93

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41) Methacrylonitrile	7.399	41	10817	20.219	ug/l #	66
42) 1,2-Dichloroethane	8.322	62	44827	20.921	ug/l	91
43) Isopropyl Acetate	8.357	43	35212	19.319	ug/l #	86
44) Trichloroethene	9.022	130	48342	18.936	ug/l	90
45) 1,2-Dichloropropane	9.304	63	46070	20.618	ug/l	98
46) Dibromomethane	9.393	93	26212	20.928	ug/l	98
47) Bromodichloromethane	9.581	83	62194	20.662	ug/l	93
48) Methyl methacrylate	9.381	41	15472	19.180	ug/l #	62
49) 1,4-Dioxane	9.387	88	5473	408.638	ug/l #	74
51) 4-Methyl-2-Pentanone	10.157	43	97917	101.012	ug/l #	80
52) Toluene	10.334	92	116244	20.546	ug/l	95
53) t-1,3-Dichloropropene	10.551	75	55372	20.410	ug/l	92
54) cis-1,3-Dichloropropene	10.016	75	68400	20.660	ug/l #	76
55) 1,1,2-Trichloroethane	10.734	97	37628	20.950	ug/l	93
56) Ethyl methacrylate	10.598	69	35932	19.904	ug/l #	69
57) 1,3-Dichloropropane	10.881	76	57843	20.528	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.869	63	89251	103.039	ug/l	91
59) 2-Hexanone	10.922	43	70451	103.056	ug/l	79
60) Dibromochloromethane	11.075	129	41269	20.435	ug/l	99
61) 1,2-Dibromoethane	11.181	107	32616	20.414	ug/l	92
64) Tetrachloroethene	10.810	164	38687	17.549	ug/l	95
65) Chlorobenzene	11.604	112	126283	19.349	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	42484	18.915	ug/l	88
67) Ethyl Benzene	11.681	91	199048	19.086	ug/l	96
68) m/p-Xylenes	11.792	106	167617	39.326	ug/l	92
69) o-Xylene	12.122	106	74305	19.106	ug/l	91
70) Styrene	12.134	104	134475	19.943	ug/l	93
71) Bromoform	12.298	173	24153	19.118	ug/l #	97
73) Isopropylbenzene	12.422	105	187259	18.366	ug/l	99
74) N-amyl acetate	12.234	43	32951	18.144	ug/l #	75
75) 1,1,2,2-Tetrachloroethane	12.675	83	41832	19.090	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	22397m	16.606	ug/l	
77) Bromobenzene	12.698	156	49515	18.119	ug/l	96
78) n-propylbenzene	12.763	91	239815	18.896	ug/l	98
79) 2-Chlorotoluene	12.851	91	132566	18.874	ug/l	92
80) 1,3,5-Trimethylbenzene	12.904	105	160146	18.947	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	12096	18.814	ug/l #	74
82) 4-Chlorotoluene	12.945	91	144563	19.350	ug/l	97
83) tert-Butylbenzene	13.169	119	130074	18.209	ug/l	93
84) 1,2,4-Trimethylbenzene	13.210	105	160165	19.028	ug/l	90
85) sec-Butylbenzene	13.345	105	210883	18.943	ug/l	98
86) p-Isopropyltoluene	13.463	119	168885	18.540	ug/l	94
87) 1,3-Dichlorobenzene	13.457	146	103910	18.806	ug/l	96
88) 1,4-Dichlorobenzene	13.539	146	103766	18.966	ug/l	96
89) n-Butylbenzene	13.786	91	154042	17.945	ug/l	98
90) Hexachloroethane	14.051	117	35671	19.038	ug/l	97
91) 1,2-Dichlorobenzene	13.834	146	92119	18.998	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.445	75	5829	20.486	ug/l	92
93) 1,2,4-Trichlorobenzene	15.098	180	47797	16.946	ug/l	96
94) Hexachlorobutadiene	15.204	225	23294	16.198	ug/l	98
95) Naphthalene	15.333	128	90254	17.222	ug/l	99
96) 1,2,3-Trichlorobenzene	15.528	180	42794	16.683	ug/l	98

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

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