

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122223\
 Data File : VD078060.D
 Acq On : 22 Dec 2023 13:36
 Operator : RP/MD
 Sample : VD1222SBS02
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1222SBS02

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/26/2023
 Supervised By :Semsettin Yesilyurt 12/26/2023

Quant Time: Dec 23 03:36:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	140324	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	235680	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	219683	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	112128	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	78609	47.541	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.080%		
35) Dibromofluoromethane	7.811	113	85222	51.623	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	103.240%		
50) Toluene-d8	10.269	98	333238	50.400	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.800%		
62) 4-Bromofluorobenzene	12.575	95	102175	51.687	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	103.380%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	32292	18.422	ug/l	90
3) Chloromethane	2.152	50	41805	17.497	ug/l	92
4) Vinyl Chloride	2.287	62	64615	19.921	ug/l	96
5) Bromomethane	2.693	94	49786	27.354	ug/l	99
6) Chloroethane	2.840	64	48616	21.984	ug/l	97
7) Trichlorofluoromethane	3.181	101	58197	19.481	ug/l	93
8) Diethyl Ether	3.599	74	16036	19.117	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.975	101	35892	21.002	ug/l	98
10) Methyl Iodide	4.164	142	31342	24.845	ug/l	91
11) Tert butyl alcohol	5.052	59	10105	121.092	ug/l	# 90
12) 1,1-Dichloroethene	3.946	96	30995	18.376	ug/l	87
13) Acrolein	3.799	56	11907	68.074	ug/l	94
14) Allyl chloride	4.570	41	41476	17.879	ug/l	91
15) Acrylonitrile	5.264	53	36294	101.053	ug/l	95
16) Acetone	4.028	43	50219	124.717	ug/l	# 82
17) Carbon Disulfide	4.275	76	78332	13.727	ug/l	100
18) Methyl Acetate	4.570	43	25748	19.772	ug/l	92
19) Methyl tert-butyl Ether	5.322	73	74325	20.769	ug/l	96
20) Methylene Chloride	4.805	84	46189	20.754	ug/l	# 80
21) trans-1,2-Dichloroethene	5.328	96	37005	19.369	ug/l	98
22) Diisopropyl ether	6.222	45	93328	19.251	ug/l	92
23) Vinyl Acetate	6.158	43	222765m	94.097	ug/l	
24) 1,1-Dichloroethane	6.117	63	66841	20.360	ug/l	99
25) 2-Butanone	7.087	43	55555	114.060	ug/l	92
26) 2,2-Dichloropropane	7.081	77	56604	20.536	ug/l	94
27) cis-1,2-Dichloroethene	7.087	96	43809	21.310	ug/l	92
28) Bromochloromethane	7.428	49	22627	17.057	ug/l	82
29) Tetrahydrofuran	7.452	42	24858	94.407	ug/l	94
30) Chloroform	7.605	83	73001	22.218	ug/l	95
31) Cyclohexane	7.887	56	49607	16.867	ug/l	94
32) 1,1,1-Trichloroethane	7.799	97	60354	20.837	ug/l	99
36) 1,1-Dichloropropene	8.011	75	49023	18.565	ug/l	97
37) Ethyl Acetate	7.175	43	20476	19.887	ug/l	97
38) Carbon Tetrachloride	7.999	117	53700	20.399	ug/l	98
39) Methylcyclohexane	9.275	83	55335	17.676	ug/l	90
40) Benzene	8.252	78	148686	19.839	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	11611	22.187	ug/l #	90
42) 1,2-Dichloroethane	8.328	62	41739	21.485	ug/l	93
43) Isopropyl Acetate	8.363	43	37043	20.239	ug/l	93
44) Trichloroethene	9.034	130	39670	20.311	ug/l	86
45) 1,2-Dichloropropane	9.310	63	38015	20.865	ug/l	96
46) Dibromomethane	9.399	93	21695	22.505	ug/l	89
47) Bromodichloromethane	9.587	83	54680	22.378	ug/l	96
48) Methyl methacrylate	9.381	41	18926	18.190	ug/l #	82
49) 1,4-Dioxane	9.393	88	3975	415.260	ug/l #	86
51) 4-Methyl-2-Pentanone	10.157	43	97548	104.427	ug/l	90
52) Toluene	10.334	92	95015	20.438	ug/l	98
53) t-1,3-Dichloropropene	10.552	75	48021	20.466	ug/l	100
54) cis-1,3-Dichloropropene	10.022	75	59876	21.106	ug/l #	93
55) 1,1,2-Trichloroethane	10.734	97	29926	22.695	ug/l	95
56) Ethyl methacrylate	10.599	69	23557	20.266	ug/l #	80
57) 1,3-Dichloropropane	10.881	76	49748	21.887	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.875	63	54360	82.005	ug/l	94
59) 2-Hexanone	10.922	43	81020	104.543	ug/l	92
60) Dibromochloromethane	11.075	129	35964	22.653	ug/l	92
61) 1,2-Dibromoethane	11.181	107	27433	22.101	ug/l	98
64) Tetrachloroethene	10.816	164	30758	19.049	ug/l	96
65) Chlorobenzene	11.610	112	104413	19.011	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	38978	21.337	ug/l	97
67) Ethyl Benzene	11.687	91	182240	19.926	ug/l	100
68) m/p-Xylenes	11.793	106	140867	40.266	ug/l	95
69) o-Xylene	12.122	106	65156	20.208	ug/l	96
70) Styrene	12.134	104	100409	20.944	ug/l	96
71) Bromoform	12.304	173	20966	21.965	ug/l #	98
73) Isopropylbenzene	12.422	105	175326	20.631	ug/l	96
74) N-amyl acetate	12.234	43	31856	19.069	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.675	83	34711	23.425	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	18589m	19.088	ug/l	
77) Bromobenzene	12.704	156	42817	21.420	ug/l	92
78) n-propylbenzene	12.763	91	216161	20.874	ug/l	96
79) 2-Chlorotoluene	12.851	91	115169	20.753	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	148164	20.904	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.469	75	10773	22.413	ug/l	97
82) 4-Chlorotoluene	12.946	91	124086	21.388	ug/l	94
83) tert-Butylbenzene	13.169	119	126028	21.061	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	145897	20.580	ug/l	98
85) sec-Butylbenzene	13.346	105	190554	21.544	ug/l	96
86) p-Isopropyltoluene	13.463	119	166395	21.012	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	87222	21.337	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	86462	20.236	ug/l	98
89) n-Butylbenzene	13.787	91	155165	20.823	ug/l	98
90) Hexachloroethane	14.057	117	33885	23.266	ug/l	92
91) 1,2-Dichlorobenzene	13.834	146	76351	21.962	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.451	75	4798	21.800	ug/l	97
93) 1,2,4-Trichlorobenzene	15.098	180	47554	20.025	ug/l	95
94) Hexachlorobutadiene	15.204	225	25511	19.922	ug/l	99
95) Naphthalene	15.334	128	84481	21.412	ug/l	97
96) 1,2,3-Trichlorobenzene	15.522	180	41975	21.441	ug/l	96

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

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