

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032224\
 Data File : VD078738.D
 Acq On : 22 Mar 2024 13:03
 Operator : RP/MD
 Sample : VD0322SBS01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0322SBS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/25/2024
 Supervised By :Mahesh Dadoda 03/25/2024

Quant Time: Mar 22 23:19:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031424S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 15 05:38:03 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	114631	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	191180	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	172558	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	85363	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	54369	50.610	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.220%			
35) Dibromofluoromethane	7.811	113	66182	53.767	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.540%			
50) Toluene-d8	10.269	98	242338	53.533	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.060%			
62) 4-Bromofluorobenzene	12.575	95	70392	53.151	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 106.300%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	22450	21.043	ug/l	90
3) Chloromethane	2.152	50	31218	18.532	ug/l	95
4) Vinyl Chloride	2.287	62	47392	19.071	ug/l	97
5) Bromomethane	2.693	94	44872	18.860	ug/l	93
6) Chloroethane	2.840	64	37870	19.541	ug/l	100
7) Trichlorofluoromethane	3.187	101	44136	22.450	ug/l	95
8) Diethyl Ether	3.593	74	11244	19.589	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.975	101	28982	23.490	ug/l	97
10) Methyl Iodide	4.170	142	31719	21.734	ug/l	99
11) Tert butyl alcohol	5.052	59	5439m	113.132	ug/l	
12) 1,1-Dichloroethene	3.946	96	24519	20.905	ug/l #	83
13) Acrolein	3.799	56	7190	95.470	ug/l	90
14) Allyl chloride	4.569	41	28293	21.619	ug/l	94
15) Acrylonitrile	5.258	53	25147	108.679	ug/l	95
16) Acetone	4.022	43	22819	109.846	ug/l	96
17) Carbon Disulfide	4.281	76	69872	18.172	ug/l	99
18) Methyl Acetate	4.564	43	9170	20.569	ug/l	93
19) Methyl tert-butyl Ether	5.322	73	48839	20.648	ug/l	96
20) Methylene Chloride	4.799	84	34101	21.280	ug/l	98
21) trans-1,2-Dichloroethene	5.311	96	29915	21.616	ug/l	85
22) Diisopropyl ether	6.222	45	66910	22.487	ug/l	97
23) Vinyl Acetate	6.158	43	184997m	106.292	ug/l	
24) 1,1-Dichloroethane	6.122	63	49606	22.237	ug/l	97
25) 2-Butanone	7.081	43	30283	109.646	ug/l	96
26) 2,2-Dichloropropane	7.075	77	42446	22.489	ug/l	98
27) cis-1,2-Dichloroethene	7.087	96	32292	20.458	ug/l	95
28) Bromochloromethane	7.428	49	15498	19.487	ug/l	93
29) Tetrahydrofuran	7.446	42	15232	101.398	ug/l	98
30) Chloroform	7.599	83	54092	21.747	ug/l	90
31) Cyclohexane	7.881	56	37389	20.707	ug/l #	93
32) 1,1,1-Trichloroethane	7.799	97	48362	22.917	ug/l	96
36) 1,1-Dichloropropene	8.016	75	39058	21.869	ug/l	99
37) Ethyl Acetate	7.175	43	12127	20.785	ug/l #	72
38) Carbon Tetrachloride	7.999	117	40622	21.575	ug/l	89
39) Methylcyclohexane	9.281	83	45116	21.776	ug/l	93
40) Benzene	8.252	78	118310	21.914	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	6406	20.951	ug/l #	89
42) 1,2-Dichloroethane	8.334	62	29026	22.046	ug/l	100
43) Isopropyl Acetate	8.363	43	21808	20.553	ug/l	96
44) Trichloroethene	9.034	130	31295	21.360	ug/l	90
45) 1,2-Dichloropropane	9.305	63	29187	22.790	ug/l	97
46) Dibromomethane	9.393	93	15793	20.572	ug/l	98
47) Bromodichloromethane	9.587	83	40792	22.320	ug/l	98
48) Methyl methacrylate	9.381	41	10694	20.684	ug/l	98
49) 1,4-Dioxane	9.387	88	2620	368.590	ug/l	96
51) 4-Methyl-2-Pentanone	10.157	43	58641	105.713	ug/l	95
52) Toluene	10.340	92	74230	21.356	ug/l	94
53) t-1,3-Dichloropropene	10.557	75	35134	21.026	ug/l	90
54) cis-1,3-Dichloropropene	10.016	75	44268	22.037	ug/l	96
55) 1,1,2-Trichloroethane	10.734	97	22460	21.847	ug/l	94
56) Ethyl methacrylate	10.599	69	21177	20.548	ug/l	93
57) 1,3-Dichloropropane	10.881	76	35770	21.563	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	44537	98.005	ug/l	99
59) 2-Hexanone	10.922	43	43499	105.781	ug/l	99
60) Dibromochloromethane	11.075	129	28492	22.473	ug/l	94
61) 1,2-Dibromoethane	11.175	107	20966	21.073	ug/l	99
64) Tetrachloroethene	10.810	164	25668	22.478	ug/l	95
65) Chlorobenzene	11.610	112	82712	22.938	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.681	131	29988	22.708	ug/l	99
67) Ethyl Benzene	11.687	91	140427	22.853	ug/l	99
68) m/p-Xylenes	11.793	106	113571	45.516	ug/l	98
69) o-Xylene	12.122	106	52170	22.598	ug/l	99
70) Styrene	12.140	104	89364	23.062	ug/l	96
71) Bromoform	12.299	173	16171	22.659	ug/l #	97
73) Isopropylbenzene	12.422	105	132864	23.640	ug/l	97
74) N-amyl acetate	12.234	43	20041	21.962	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.675	83	24763	23.801	ug/l	97
76) 1,2,3-Trichloropropane	12.728	75	16016m	24.353	ug/l	
77) Bromobenzene	12.698	156	33549	24.070	ug/l	97
78) n-propylbenzene	12.763	91	165631	24.211	ug/l	99
79) 2-Chlorotoluene	12.851	91	89326	23.801	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	113123	24.339	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	7636	24.338	ug/l	96
82) 4-Chlorotoluene	12.946	91	93359	23.519	ug/l	99
83) tert-Butylbenzene	13.169	119	96305	24.031	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	111002	23.699	ug/l	100
85) sec-Butylbenzene	13.345	105	148783	24.533	ug/l	99
86) p-Isopropyltoluene	13.463	119	123834	23.852	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	69406	23.597	ug/l	100
88) 1,4-Dichlorobenzene	13.540	146	67377	23.243	ug/l	98
89) n-Butylbenzene	13.787	91	114857	24.496	ug/l	99
90) Hexachloroethane	14.057	117	25773	23.991	ug/l	99
91) 1,2-Dichlorobenzene	13.834	146	59520	23.495	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.451	75	3405	24.464	ug/l	78
93) 1,2,4-Trichlorobenzene	15.098	180	34282	23.188	ug/l	94
94) Hexachlorobutadiene	15.204	225	19689	24.599	ug/l	97
95) Naphthalene	15.334	128	54928	21.369	ug/l	96
96) 1,2,3-Trichlorobenzene	15.522	180	29824	23.318	ug/l	97

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

