

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031124\
 Data File : VD078627.D
 Acq On : 11 Mar 2024 12:36
 Operator : RP/MD
 Sample : VD0311SBSD01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/12/2024
 Supervised By :Semsettin Yesilyurt 03/12/2024

Quant Time: Mar 12 01:37:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D030124S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 02 03:50:17 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	126060	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	219925	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	211819	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	108873	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	70485	56.405	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.820%			
35) Dibromofluoromethane	7.804	113	78492	54.867	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.740%			
50) Toluene-d8	10.269	98	294869	53.043	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.080%			
62) 4-Bromofluorobenzene	12.569	95	85403	53.789	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 107.580%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	21708	19.499	ug/l	99
3) Chloromethane	2.152	50	40412	19.910	ug/l	99
4) Vinyl Chloride	2.281	62	59680	19.260	ug/l	98
5) Bromomethane	2.681	94	49417	19.968	ug/l	99
6) Chloroethane	2.828	64	49468	21.540	ug/l	96
7) Trichlorofluoromethane	3.169	101	40909	19.525	ug/l	97
8) Diethyl Ether	3.593	74	12482	21.216	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.969	101	26652	20.183	ug/l	97
10) Methyl Iodide	4.163	142	25822	18.687	ug/l #	89
11) Tert butyl alcohol	5.069	59	7203	120.462	ug/l #	88
12) 1,1-Dichloroethene	3.940	96	24016	19.481	ug/l	91
13) Acrolein	3.805	56	11173	90.156	ug/l	95
14) Allyl chloride	4.563	41	28690	20.433	ug/l	94
15) Acrylonitrile	5.263	53	26882	110.828	ug/l	97
16) Acetone	4.022	43	25570	106.807	ug/l #	76
17) Carbon Disulfide	4.275	76	69802	16.995	ug/l	100
18) Methyl Acetate	4.563	43	11061	24.409	ug/l	93
19) Methyl tert-butyl Ether	5.316	73	52206	20.828	ug/l	100
20) Methylene Chloride	4.799	84	37716	15.683	ug/l	89
21) trans-1,2-Dichloroethene	5.316	96	29089	19.639	ug/l	87
22) Diisopropyl ether	6.216	45	69180	21.975	ug/l	97
23) Vinyl Acetate	6.157	43	197540	105.654	ug/l	95
24) 1,1-Dichloroethane	6.110	63	48684	20.470	ug/l	97
25) 2-Butanone	7.081	43	33473	110.842	ug/l #	82
26) 2,2-Dichloropropane	7.075	77	40412	20.114	ug/l	97
27) cis-1,2-Dichloroethene	7.081	96	33275	20.516	ug/l	100
28) Bromochloromethane	7.434	49	19855	22.347	ug/l	94
29) Tetrahydrofuran	7.440	42	17957	107.030	ug/l	98
30) Chloroform	7.593	83	55340	21.550	ug/l	89
31) Cyclohexane	7.875	56	34141	17.456	ug/l	96
32) 1,1,1-Trichloroethane	7.793	97	43879	19.918	ug/l	100
36) 1,1-Dichloropropene	8.004	75	35603	17.985	ug/l	97
37) Ethyl Acetate	7.169	43	14725	22.956	ug/l #	94
38) Carbon Tetrachloride	7.987	117	39237	18.950	ug/l	94
39) Methylcyclohexane	9.269	83	40337	17.361	ug/l	94
40) Benzene	8.246	78	114912	19.584	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	8022m	23.334	ug/l	
42) 1,2-Dichloroethane	8.328	62	31981	21.484	ug/l	97
43) Isopropyl Acetate	8.357	43	25847	21.018	ug/l	93
44) Trichloroethene	9.028	130	30821	19.141	ug/l	95
45) 1,2-Dichloropropane	9.298	63	28651	20.326	ug/l	97
46) Dibromomethane	9.393	93	17347	21.348	ug/l	93
47) Bromodichloromethane	9.581	83	41125	20.525	ug/l	90
48) Methyl methacrylate	9.381	41	11083	19.895	ug/l #	91
49) 1,4-Dioxane	9.398	88	3592	448.566	ug/l #	93
51) 4-Methyl-2-Pentanone	10.157	43	67373	106.144	ug/l	95
52) Toluene	10.334	92	74254	19.722	ug/l	99
53) t-1,3-Dichloropropene	10.557	75	38359	20.695	ug/l	96
54) cis-1,3-Dichloropropene	10.016	75	44136	19.887	ug/l #	88
55) 1,1,2-Trichloroethane	10.728	97	23461	20.504	ug/l	95
56) Ethyl methacrylate	10.598	69	23751	20.710	ug/l #	91
57) 1,3-Dichloropropane	10.881	76	36719	19.803	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	60278	130.857	ug/l	97
59) 2-Hexanone	10.922	43	52063	110.585	ug/l	89
60) Dibromochloromethane	11.075	129	29505	21.356	ug/l	96
61) 1,2-Dibromoethane	11.175	107	22108	21.053	ug/l	100
64) Tetrachloroethene	10.810	164	26411	19.817	ug/l	91
65) Chlorobenzene	11.604	112	81515	19.542	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.681	131	30997	19.961	ug/l	95
67) Ethyl Benzene	11.681	91	134356	18.589	ug/l	98
68) m/p-Xylenes	11.792	106	110995	37.960	ug/l	96
69) o-Xylene	12.122	106	49534	18.674	ug/l	93
70) Styrene	12.134	104	89653	19.499	ug/l	100
71) Bromoform	12.298	173	18112	21.924	ug/l #	91
73) Isopropylbenzene	12.422	105	126599	18.344	ug/l	97
74) N-amyl acetate	12.234	43	23294	20.053	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.669	83	28273	21.385	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	16243m	19.534	ug/l	
77) Bromobenzene	12.698	156	34011	20.377	ug/l	97
78) n-propylbenzene	12.763	91	163537	19.372	ug/l	97
79) 2-Chlorotoluene	12.845	91	90080	19.885	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	109411	19.482	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	7690	19.795	ug/l	94
82) 4-Chlorotoluene	12.945	91	96652	20.020	ug/l	96
83) tert-Butylbenzene	13.169	119	93688	19.375	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	110831	19.308	ug/l	99
85) sec-Butylbenzene	13.345	105	145648	19.307	ug/l	97
86) p-Isopropyltoluene	13.457	119	121734	19.169	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	69871	19.592	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	69959	19.580	ug/l	95
89) n-Butylbenzene	13.786	91	109865	18.512	ug/l	97
90) Hexachloroethane	14.051	117	25155	19.481	ug/l	95
91) 1,2-Dichlorobenzene	13.828	146	62304	20.567	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	3915	22.215	ug/l	97
93) 1,2,4-Trichlorobenzene	15.098	180	35038	19.532	ug/l	99
94) Hexachlorobutadiene	15.204	225	19296	19.550	ug/l	98
95) Naphthalene	15.328	128	62402	19.686	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	31501	19.773	ug/l	99

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

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