

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031424\
 Data File : VD078668.D
 Acq On : 14 Mar 2024 15:55
 Operator : RP/MD
 Sample : VD0314SBS01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0314SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/15/2024
 Supervised By :Semsettin Yesilyurt 03/15/2024

Quant Time: Mar 15 05:49:52 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	7.875	168	115836	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	199930	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	186757	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	92798	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	61041	56.229	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.460%			
35) Dibromofluoromethane	7.805	113	68154	52.946	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.900%			
50) Toluene-d8	10.269	98	260882	55.107	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 110.220%			
62) 4-Bromofluorobenzene	12.569	95	75086	54.214	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 108.420%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	20965	19.446	ug/l	98
3) Chloromethane	2.146	50	38142	22.407	ug/l	94
4) Vinyl Chloride	2.287	62	56335	22.434	ug/l	97
5) Bromomethane	2.687	94	51181	21.287	ug/l	95
6) Chloroethane	2.834	64	43546	22.236	ug/l	93
7) Trichlorofluoromethane	3.170	101	40288	20.280	ug/l	91
8) Diethyl Ether	3.587	74	11172	19.261	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.975	101	25691	20.606	ug/l	97
10) Methyl Iodide	4.164	142	28615	19.403	ug/l	99
11) Tert butyl alcohol	5.052	59	5564	114.528	ug/l #	88
12) 1,1-Dichloroethene	3.940	96	23832	20.108	ug/l	93
13) Acrolein	3.799	56	8895	116.880	ug/l	100
14) Allyl chloride	4.558	41	26392	19.957	ug/l	98
15) Acrylonitrile	5.252	53	24077	102.972	ug/l	95
16) Acetone	4.017	43	19547	93.116	ug/l	90
17) Carbon Disulfide	4.269	76	80091	20.613	ug/l	98
18) Methyl Acetate	4.569	43	8677	19.261	ug/l #	82
19) Methyl tert-butyl Ether	5.322	73	46885	19.616	ug/l	93
20) Methylene Chloride	4.799	84	33238	20.334	ug/l	93
21) trans-1,2-Dichloroethene	5.305	96	29409	21.029	ug/l	85
22) Diisopropyl ether	6.216	45	61955	20.606	ug/l	99
23) Vinyl Acetate	6.158	43	183127	104.123	ug/l	100
24) 1,1-Dichloroethane	6.105	63	45686	20.267	ug/l	96
25) 2-Butanone	7.087	43	26829	96.130	ug/l	96
26) 2,2-Dichloropropane	7.069	77	36812	19.301	ug/l	94
27) cis-1,2-Dichloroethene	7.069	96	30880	19.360	ug/l	99
28) Bromochloromethane	7.422	49	16201	20.159	ug/l	96
29) Tetrahydrofuran	7.452	42	16198	106.707	ug/l	96
30) Chloroform	7.587	83	49670	19.762	ug/l	94
31) Cyclohexane	7.881	56	36070	19.768	ug/l	91
32) 1,1,1-Trichloroethane	7.793	97	42385	19.876	ug/l	98
36) 1,1-Dichloropropene	8.005	75	37584	20.123	ug/l	99
37) Ethyl Acetate	7.169	43	12059	19.764	ug/l	99
38) Carbon Tetrachloride	7.993	117	38263	19.433	ug/l	94
39) Methylcyclohexane	9.275	83	42209	19.482	ug/l #	88
40) Benzene	8.252	78	110011	19.485	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	5680	17.764	ug/l #	66
42) 1,2-Dichloroethane	8.328	62	27102	19.684	ug/l	100
43) Isopropyl Acetate	8.363	43	21772	19.621	ug/l #	83
44) Trichloroethene	9.028	130	30501	19.907	ug/l	89
45) 1,2-Dichloropropane	9.304	63	26426	19.731	ug/l	97
46) Dibromomethane	9.393	93	15541	19.357	ug/l	97
47) Bromodichloromethane	9.581	83	36849	19.280	ug/l	99
48) Methyl methacrylate	9.381	41	9674	17.893	ug/l	96
49) 1,4-Dioxane	9.381	88	3305	444.609	ug/l #	87
51) 4-Methyl-2-Pentanone	10.157	43	57210	98.620	ug/l	98
52) Toluene	10.328	92	70022	19.264	ug/l	93
53) t-1,3-Dichloropropene	10.551	75	34784	19.905	ug/l	89
54) cis-1,3-Dichloropropene	10.016	75	40323	19.195	ug/l	96
55) 1,1,2-Trichloroethane	10.734	97	21977	20.442	ug/l	98
56) Ethyl methacrylate	10.599	69	19963	18.522	ug/l	97
57) 1,3-Dichloropropane	10.875	76	33241	19.162	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	46993	98.884	ug/l	98
59) 2-Hexanone	10.922	43	42230	98.200	ug/l	95
60) Dibromochloromethane	11.069	129	25410	19.165	ug/l	99
61) 1,2-Dibromoethane	11.181	107	20499	19.702	ug/l	98
64) Tetrachloroethene	10.804	164	25705	20.799	ug/l #	83
65) Chlorobenzene	11.604	112	76889	19.702	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.681	131	26871	18.801	ug/l	97
67) Ethyl Benzene	11.681	91	126978	19.093	ug/l	97
68) m/p-Xylenes	11.793	106	104576	38.725	ug/l	96
69) o-Xylene	12.116	106	46884	18.764	ug/l	98
70) Styrene	12.134	104	81798	19.505	ug/l	99
71) Bromoform	12.298	173	14644	18.959	ug/l #	91
73) Isopropylbenzene	12.422	105	120384	19.703	ug/l	99
74) N-amyl acetate	12.234	43	20252	20.415	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.669	83	24208	21.403	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	14684m	20.538	ug/l	
77) Bromobenzene	12.698	156	31380	20.710	ug/l	99
78) n-propylbenzene	12.763	91	155176	20.865	ug/l	100
79) 2-Chlorotoluene	12.851	91	83323	20.423	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	103668	20.518	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	6970	20.435	ug/l	96
82) 4-Chlorotoluene	12.945	91	86499	20.045	ug/l	98
83) tert-Butylbenzene	13.163	119	84354	19.362	ug/l	97
84) 1,2,4-Trimethylbenzene	13.210	105	102714	20.173	ug/l	98
85) sec-Butylbenzene	13.345	105	134844	20.453	ug/l	99
86) p-Isopropyltoluene	13.457	119	111718	19.794	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	62700	19.609	ug/l	100
88) 1,4-Dichlorobenzene	13.540	146	63308	20.090	ug/l	98
89) n-Butylbenzene	13.787	91	102824	20.173	ug/l	98
90) Hexachloroethane	14.051	117	23965	20.521	ug/l	96
91) 1,2-Dichlorobenzene	13.828	146	53138	19.295	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	3778	24.969	ug/l	77
93) 1,2,4-Trichlorobenzene	15.098	180	31268	19.455	ug/l	95
94) Hexachlorobutadiene	15.204	225	16665	19.153	ug/l	96
95) Naphthalene	15.328	128	52698	18.859	ug/l	96
96) 1,2,3-Trichlorobenzene	15.522	180	28314	20.363	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

