

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031524\
 Data File : VD078681.D
 Acq On : 15 Mar 2024 11:50
 Operator : RP/MD
 Sample : VD0315SBS01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0315SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/18/2024
 Supervised By :Semsettin Yesilyurt 03/18/2024

Quant Time: Mar 16 05:24:52 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	118666	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	205217	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	193567	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	99058	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	56599	50.894	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.780%			
35) Dibromofluoromethane	7.810	113	66378	50.237	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.480%			
50) Toluene-d8	10.269	98	240046	49.399	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.800%			
62) 4-Bromofluorobenzene	12.575	95	70310	49.458	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.920%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	24097	21.818	ug/l	98
3) Chloromethane	2.152	50	40136	23.016	ug/l	95
4) Vinyl Chloride	2.287	62	61196	23.789	ug/l	94
5) Bromomethane	2.687	94	57807	23.470	ug/l	100
6) Chloroethane	2.840	64	46930	23.393	ug/l	99
7) Trichlorofluoromethane	3.175	101	45464	22.340	ug/l	95
8) Diethyl Ether	3.599	74	12397	20.864	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.969	101	28645	22.428	ug/l	99
10) Methyl Iodide	4.169	142	34391	22.763	ug/l	100
11) Tert butyl alcohol	5.057	59	5992	120.396	ug/l #	88
12) 1,1-Dichloroethene	3.946	96	27046	22.276	ug/l	91
13) Acrolein	3.805	56	8107	103.986	ug/l	93
14) Allyl chloride	4.557	41	28473	21.017	ug/l	94
15) Acrylonitrile	5.257	53	28340	118.314	ug/l	96
16) Acetone	4.022	43	25308	117.685	ug/l #	87
17) Carbon Disulfide	4.269	76	89120	22.390	ug/l	97
18) Methyl Acetate	4.563	43	10504	22.760	ug/l	99
19) Methyl tert-butyl Ether	5.316	73	54919	22.429	ug/l	97
20) Methylene Chloride	4.805	84	38729	23.870	ug/l #	86
21) trans-1,2-Dichloroethene	5.310	96	32458	22.656	ug/l	88
22) Diisopropyl ether	6.222	45	71300	23.148	ug/l #	92
23) Vinyl Acetate	6.157	43	211767	117.536	ug/l	98
24) 1,1-Dichloroethane	6.116	63	51968	22.504	ug/l	98
25) 2-Butanone	7.087	43	33362	116.687	ug/l #	80
26) 2,2-Dichloropropane	7.081	77	43592	22.311	ug/l	98
27) cis-1,2-Dichloroethene	7.081	96	36314	22.223	ug/l	98
28) Bromochloromethane	7.422	49	17878	21.715	ug/l	99
29) Tetrahydrofuran	7.451	42	18553	119.306	ug/l	97
30) Chloroform	7.598	83	57275	22.244	ug/l	92
31) Cyclohexane	7.881	56	38238	20.457	ug/l #	92
32) 1,1,1-Trichloroethane	7.793	97	49086	22.469	ug/l	98
36) 1,1-Dichloropropene	8.004	75	41053	21.414	ug/l	99
37) Ethyl Acetate	7.163	43	12983	20.730	ug/l	95
38) Carbon Tetrachloride	7.998	117	42968	21.260	ug/l	92
39) Methylcyclohexane	9.275	83	46097	20.728	ug/l	93
40) Benzene	8.251	78	123887	21.378	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	6056	18.452	ug/l #	76
42) 1,2-Dichloroethane	8.328	62	31636	22.385	ug/l	97
43) Isopropyl Acetate	8.363	43	25012	21.960	ug/l #	87
44) Trichloroethene	9.034	130	33704	21.431	ug/l	84
45) 1,2-Dichloropropane	9.304	63	30050	21.859	ug/l	94
46) Dibromomethane	9.392	93	17502	21.238	ug/l	95
47) Bromodichloromethane	9.587	83	43339	22.092	ug/l	94
48) Methyl methacrylate	9.381	41	11283	20.331	ug/l #	90
49) 1,4-Dioxane	9.381	88	3106	407.073	ug/l #	92
51) 4-Methyl-2-Pentanone	10.157	43	69455	116.643	ug/l	97
52) Toluene	10.334	92	82629	22.147	ug/l	100
53) t-1,3-Dichloropropene	10.551	75	40243	22.436	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	48003	22.262	ug/l	98
55) 1,1,2-Trichloroethane	10.734	97	25016	22.669	ug/l	96
56) Ethyl methacrylate	10.598	69	25150	22.734	ug/l	97
57) 1,3-Dichloropropane	10.881	76	39542	22.206	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.869	63	53105	108.866	ug/l	97
59) 2-Hexanone	10.922	43	51416	116.481	ug/l	98
60) Dibromochloromethane	11.075	129	29969	22.021	ug/l	99
61) 1,2-Dibromoethane	11.181	107	22669	21.226	ug/l	97
64) Tetrachloroethene	10.810	164	27907	21.786	ug/l	98
65) Chlorobenzene	11.610	112	86239	21.320	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	32335	21.828	ug/l	98
67) Ethyl Benzene	11.681	91	142282	20.642	ug/l	98
68) m/p-Xylenes	11.792	106	117828	42.097	ug/l	100
69) o-Xylene	12.122	106	52889	20.423	ug/l	98
70) Styrene	12.134	104	94888	21.830	ug/l	99
71) Bromoform	12.298	173	17762	22.187	ug/l #	92
73) Isopropylbenzene	12.422	105	137735	21.118	ug/l	98
74) N-amyl acetate	12.234	43	24995	23.604	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.669	83	27967	23.164	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	17280m	22.642	ug/l	
77) Bromobenzene	12.698	156	34693	21.449	ug/l	99
78) n-propylbenzene	12.763	91	171618	21.618	ug/l	100
79) 2-Chlorotoluene	12.845	91	94125	21.612	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	117892	21.859	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.463	75	8463	23.245	ug/l	94
82) 4-Chlorotoluene	12.945	91	101243	21.979	ug/l	98
83) tert-Butylbenzene	13.169	119	99448	21.385	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	113749	20.928	ug/l	98
85) sec-Butylbenzene	13.345	105	153074	21.751	ug/l	100
86) p-Isopropyltoluene	13.463	119	127268	21.124	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	71776	21.029	ug/l	96
88) 1,4-Dichlorobenzene	13.539	146	72250	21.479	ug/l	99
89) n-Butylbenzene	13.786	91	117948	21.677	ug/l	98
90) Hexachloroethane	14.051	117	26110	20.945	ug/l	97
91) 1,2-Dichlorobenzene	13.833	146	61066	20.773	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	3366	20.841	ug/l	98
93) 1,2,4-Trichlorobenzene	15.098	180	35883	20.916	ug/l	96
94) Hexachlorobutadiene	15.204	225	19207	20.679	ug/l	97
95) Naphthalene	15.333	128	59652	19.999	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.522	180	32230	21.715	ug/l	99

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

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