

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051624\
 Data File : VD078954.D
 Acq On : 16 May 2024 19:06
 Operator : RP/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2024
 Supervised By :Mahesh Dadoda 05/17/2024

Quant Time: May 17 06:13:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051324S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 14 06:21:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	129634	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	214002	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	220733	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	115258	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	63076	51.873	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.740%			
35) Dibromofluoromethane	7.804	113	72586	50.954	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.900%			
50) Toluene-d8	10.269	98	286644	53.675	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.340%			
62) 4-Bromofluorobenzene	12.569	95	88258	58.829	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 117.660%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	54273	44.805	ug/l	98
3) Chloromethane	2.146	50	81378	50.038	ug/l	96
4) Vinyl Chloride	2.281	62	130404	50.556	ug/l	99
5) Bromomethane	2.693	94	111864	45.051	ug/l	97
6) Chloroethane	2.834	64	107942	46.553	ug/l	99
7) Trichlorofluoromethane	3.175	101	101274	39.890	ug/l	92
8) Diethyl Ether	3.593	74	28159	48.999	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.969	101	62590	46.687	ug/l	100
10) Methyl Iodide	4.169	142	76728	47.904	ug/l	97
11) Tert butyl alcohol	5.046	59	12735	241.059	ug/l #	86
12) 1,1-Dichloroethene	3.940	96	61312	46.721	ug/l	99
13) Acrolein	3.799	56	26001	214.802	ug/l	96
14) Allyl chloride	4.557	41	62299	48.651	ug/l	99
15) Acrylonitrile	5.252	53	57494	244.611	ug/l	96
16) Acetone	4.016	43	42853	221.028	ug/l	93
17) Carbon Disulfide	4.269	76	174865	45.628	ug/l	98
18) Methyl Acetate	4.563	43	25374	56.840	ug/l	97
19) Methyl tert-butyl Ether	5.322	73	127983	50.052	ug/l	93
20) Methylene Chloride	4.799	84	87543	57.650	ug/l	95
21) trans-1,2-Dichloroethene	5.310	96	69389	47.439	ug/l	98
22) Diisopropyl ether	6.216	45	151260	52.226	ug/l	99
23) Vinyl Acetate	6.157	43	424741	244.505	ug/l	99
24) 1,1-Dichloroethane	6.110	63	110835	48.274	ug/l	98
25) 2-Butanone	7.087	43	59533	229.583	ug/l #	88
26) 2,2-Dichloropropane	7.081	77	93174	46.179	ug/l	97
27) cis-1,2-Dichloroethene	7.081	96	84871	49.413	ug/l	99
28) Bromochloromethane	7.428	49	45131	58.942	ug/l	96
29) Tetrahydrofuran	7.446	42	37523	250.179	ug/l	98
30) Chloroform	7.598	83	125803	48.377	ug/l	96
31) Cyclohexane	7.881	56	76020	42.792	ug/l	99
32) 1,1,1-Trichloroethane	7.793	97	106332	47.747	ug/l	99
36) 1,1-Dichloropropene	8.010	75	83698	47.215	ug/l	98
37) Ethyl Acetate	7.169	43	27647	45.763	ug/l	98
38) Carbon Tetrachloride	7.993	117	93716	45.174	ug/l	96
39) Methylcyclohexane	9.275	83	102289	47.490	ug/l	95
40) Benzene	8.251	78	271298	47.317	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	14704	45.233	ug/l	95
42) 1,2-Dichloroethane	8.328	62	65554	47.235	ug/l	97
43) Isopropyl Acetate	8.357	43	52290	48.780	ug/l	98
44) Trichloroethene	9.028	130	70313	46.234	ug/l	96
45) 1,2-Dichloropropane	9.304	63	61888	49.119	ug/l	93
46) Dibromomethane	9.393	93	39130	47.176	ug/l	98
47) Bromodichloromethane	9.581	83	96413	48.288	ug/l	98
48) Methyl methacrylate	9.375	41	26556	50.890	ug/l	95
49) 1,4-Dioxane	9.381	88	6883	943.381	ug/l #	95
51) 4-Methyl-2-Pentanone	10.157	43	142134	248.939	ug/l	99
52) Toluene	10.334	92	181972	49.582	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	85074	50.143	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	100897	49.547	ug/l	93
55) 1,1,2-Trichloroethane	10.734	97	52313	48.818	ug/l	99
56) Ethyl methacrylate	10.598	69	57221	51.901	ug/l	94
57) 1,3-Dichloropropane	10.881	76	83937	50.303	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	126291	266.596	ug/l	97
59) 2-Hexanone	10.922	43	102413	257.699	ug/l	95
60) Dibromochloromethane	11.075	129	72454	49.598	ug/l	98
61) 1,2-Dibromoethane	11.181	107	49890	51.061	ug/l	94
64) Tetrachloroethene	10.810	164	62118	44.357	ug/l	97
65) Chlorobenzene	11.604	112	214182	46.649	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	74664	47.039	ug/l	96
67) Ethyl Benzene	11.681	91	351822	47.640	ug/l	99
68) m/p-Xylenes	11.792	106	289273	96.345	ug/l	98
69) o-Xylene	12.122	106	136666	49.928	ug/l	96
70) Styrene	12.134	104	241629	49.808	ug/l	100
71) Bromoform	12.298	173	42411	46.644	ug/l #	94
73) Isopropylbenzene	12.422	105	343883	49.988	ug/l	100
74) N-amyl acetate	12.234	43	52905	47.397	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.669	83	57220	46.113	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	36059m	44.439	ug/l	
77) Bromobenzene	12.698	156	86943	48.061	ug/l	96
78) n-propylbenzene	12.763	91	403516	48.530	ug/l	100
79) 2-Chlorotoluene	12.845	91	222579	48.163	ug/l	100
80) 1,3,5-Trimethylbenzene	12.904	105	283632	49.626	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.469	75	19712	48.174	ug/l	92
82) 4-Chlorotoluene	12.945	91	234104	48.286	ug/l	100
83) tert-Butylbenzene	13.163	119	258294	51.100	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	293838	49.634	ug/l	99
85) sec-Butylbenzene	13.345	105	375923	49.857	ug/l	99
86) p-Isopropyltoluene	13.457	119	329453	50.151	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	178879	46.728	ug/l	99
88) 1,4-Dichlorobenzene	13.539	146	172047	45.892	ug/l	98
89) n-Butylbenzene	13.786	91	295689	50.232	ug/l	99
90) Hexachloroethane	14.051	117	64125	46.278	ug/l	99
91) 1,2-Dichlorobenzene	13.828	146	150748	47.065	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.445	75	8586	51.974	ug/l	90
93) 1,2,4-Trichlorobenzene	15.098	180	100804	53.601	ug/l	99
94) Hexachlorobutadiene	15.198	225	46638	47.453	ug/l	100
95) Naphthalene	15.327	128	192115	59.972	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	87454	52.276	ug/l	99

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

