

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050824\
 Data File : VD078892.D
 Acq On : 08 May 2024 17:15
 Operator : RP/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/09/2024
 Supervised By :Mahesh Dadoda 05/09/2024

Quant Time: May 09 04:46:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050124S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 08 19:40:18 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.869	168	117779	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	188406	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	179861	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	98207	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	60530	46.302	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.600%
35) Dibromofluoromethane	7.799	113	73774	53.330	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.660%
50) Toluene-d8	10.269	98	261941	49.341	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.680%
62) 4-Bromofluorobenzene	12.575	95	76916	50.624	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	101.240%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	48945	36.762	ug/l	98
3) Chloromethane	2.146	50	80183	40.521	ug/l	96
4) Vinyl Chloride	2.281	62	125056	43.536	ug/l	93
5) Bromomethane	2.687	94	104116	36.325	ug/l	96
6) Chloroethane	2.834	64	102722	43.410	ug/l	96
7) Trichlorofluoromethane	3.170	101	94385	40.374	ug/l	97
8) Diethyl Ether	3.593	74	25166	39.480	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.964	101	57653	41.048	ug/l	98
10) Methyl Iodide	4.158	142	64654	38.997	ug/l #	93
11) Tert butyl alcohol	5.052	59	13467	224.890	ug/l #	84
12) 1,1-Dichloroethene	3.934	96	52633	37.795	ug/l	95
13) Acrolein	3.793	56	18190	157.275	ug/l	99
14) Allyl chloride	4.558	41	53406	38.205	ug/l	94
15) Acrylonitrile	5.246	53	53239	209.811	ug/l	97
16) Acetone	4.022	43	40949	210.053	ug/l	92
17) Carbon Disulfide	4.264	76	167578	36.389	ug/l	99
18) Methyl Acetate	4.558	43	20024	41.435	ug/l	100
19) Methyl tert-butyl Ether	5.311	73	118492	44.961	ug/l	93
20) Methylene Chloride	4.799	84	75851	45.253	ug/l	98
21) trans-1,2-Dichloroethene	5.305	96	63194	40.469	ug/l	96
22) Diisopropyl ether	6.211	45	131830	42.649	ug/l	96
23) Vinyl Acetate	6.152	43	405859	217.792	ug/l #	93
24) 1,1-Dichloroethane	6.111	63	98763	39.687	ug/l	97
25) 2-Butanone	7.075	43	58283	213.182	ug/l #	84
26) 2,2-Dichloropropane	7.075	77	85965	40.939	ug/l	98
27) cis-1,2-Dichloroethene	7.075	96	71219	39.930	ug/l	98
28) Bromochloromethane	7.416	49	44582	47.616	ug/l	89
29) Tetrahydrofuran	7.446	42	37384	233.687	ug/l	97
30) Chloroform	7.593	83	113651	40.925	ug/l	98
31) Cyclohexane	7.875	56	75023	38.654	ug/l	95
32) 1,1,1-Trichloroethane	7.793	97	95363	40.715	ug/l	99
36) 1,1-Dichloropropene	8.005	75	74153	41.675	ug/l	99
37) Ethyl Acetate	7.164	43	23625	40.143	ug/l #	93
38) Carbon Tetrachloride	7.987	117	89847	43.867	ug/l	98
39) Methylcyclohexane	9.275	83	95808	43.699	ug/l	94
40) Benzene	8.246	78	247087	42.403	ug/l	92

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41) Methacrylonitrile	7.393	41	14631m	50.343	ug/l	
42) 1,2-Dichloroethane	8.322	62	60180	43.746	ug/l	99
43) Isopropyl Acetate	8.358	43	49637	46.109	ug/l	99
44) Trichloroethene	9.028	130	61931	42.192	ug/l	90
45) 1,2-Dichloropropane	9.299	63	55687	43.577	ug/l	98
46) Dibromomethane	9.393	93	36238	44.543	ug/l	95
47) Bromodichloromethane	9.581	83	86207	42.793	ug/l	95
48) Methyl methacrylate	9.381	41	24476	48.507	ug/l	95
49) 1,4-Dioxane	9.387	88	8087	1089.278	ug/l	92
51) 4-Methyl-2-Pentanone	10.157	43	133499	231.581	ug/l	98
52) Toluene	10.334	92	162383	44.366	ug/l	98
53) t-1,3-Dichloropropene	10.552	75	72748	43.067	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	88348	43.304	ug/l	97
55) 1,1,2-Trichloroethane	10.728	97	46550	44.113	ug/l	98
56) Ethyl methacrylate	10.599	69	51872	47.841	ug/l	96
57) 1,3-Dichloropropane	10.875	76	73993	44.342	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.869	63	138119	291.734	ug/l	100
59) 2-Hexanone	10.922	43	96078	235.387	ug/l	99
60) Dibromochloromethane	11.075	129	63937	44.703	ug/l	98
61) 1,2-Dibromoethane	11.175	107	43092	44.033	ug/l	98
64) Tetrachloroethene	10.810	164	55337	45.107	ug/l	93
65) Chlorobenzene	11.604	112	181188	43.895	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	63981	44.324	ug/l	99
67) Ethyl Benzene	11.681	91	294725	43.651	ug/l	94
68) m/p-Xylenes	11.793	106	248177	90.782	ug/l	97
69) o-Xylene	12.116	106	108147	43.271	ug/l	95
70) Styrene	12.134	104	203743	46.362	ug/l	98
71) Bromoform	12.299	173	36722	46.987	ug/l #	95
73) Isopropylbenzene	12.422	105	282636	42.695	ug/l	100
74) N-amyl acetate	12.234	43	49626	45.067	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.669	83	53324	42.993	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	33357m	40.827	ug/l	
77) Bromobenzene	12.698	156	73685	43.324	ug/l	95
78) n-propylbenzene	12.763	91	349966	43.623	ug/l	100
79) 2-Chlorotoluene	12.846	91	187626	41.901	ug/l	100
80) 1,3,5-Trimethylbenzene	12.904	105	241794	43.986	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.463	75	17463	41.761	ug/l	98
82) 4-Chlorotoluene	12.946	91	202480	42.403	ug/l	100
83) tert-Butylbenzene	13.163	119	205189	43.366	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	250319	44.488	ug/l	98
85) sec-Butylbenzene	13.346	105	322235	44.848	ug/l	100
86) p-Isopropyltoluene	13.457	119	279129	44.828	ug/l	100
87) 1,3-Dichlorobenzene	13.457	146	153747	43.164	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	147195	41.747	ug/l	100
89) n-Butylbenzene	13.787	91	246929	44.482	ug/l	98
90) Hexachloroethane	14.051	117	57200	42.937	ug/l	99
91) 1,2-Dichlorobenzene	13.828	146	131151	43.023	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	7081	41.934	ug/l	97
93) 1,2,4-Trichlorobenzene	15.098	180	78733	46.492	ug/l	93
94) Hexachlorobutadiene	15.204	225	41604	47.957	ug/l	96
95) Naphthalene	15.334	128	137832	45.176	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	69124	46.075	ug/l	98

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

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