

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060823\
 Data File : VD076386.D
 Acq On : 08 Jun 2023 21:32
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/09/2023
 Supervised By :Mahesh Dadoda 06/09/2023

Quant Time: Jun 09 01:25:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060523S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 06 02:52:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	199579	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	317592	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	299369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	161126	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	93431	52.248	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.500%			
35) Dibromofluoromethane	7.805	113	109400	54.252	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.500%			
50) Toluene-d8	10.269	98	435583	54.253	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 108.500%			
62) 4-Bromofluorobenzene	12.575	95	121032	56.964	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 113.920%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	88284	45.678	ug/l	100
3) Chloromethane	2.146	50	183940	49.528	ug/l	98
4) Vinyl Chloride	2.276	62	225850	46.335	ug/l	99
5) Bromomethane	2.681	94	139428	44.088	ug/l	99
6) Chloroethane	2.828	64	157093	48.094	ug/l	98
7) Trichlorofluoromethane	3.164	101	155004	47.895	ug/l	97
8) Diethyl Ether	3.587	74	57178	54.161	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.958	101	104987	50.716	ug/l	97
10) Methyl Iodide	4.158	142	144417	50.130	ug/l	100
11) Tert butyl alcohol	5.064	59	29059	290.765	ug/l	99
12) 1,1-Dichloroethene	3.934	96	109415	49.790	ug/l	95
13) Acrolein	3.793	56	72677	334.254	ug/l	98
14) Allyl chloride	4.558	41	104057	48.191	ug/l	96
15) Acrylonitrile	5.252	53	121874	289.101	ug/l	100
16) Acetone	4.022	43	73663	224.901	ug/l	99
17) Carbon Disulfide	4.264	76	351855	48.003	ug/l	98
18) Methyl Acetate	4.558	43	77729	55.961	ug/l	100
19) Methyl tert-butyl Ether	5.311	73	225905	55.797	ug/l	99
20) Methylene Chloride	4.799	84	140151	52.157	ug/l	99
21) trans-1,2-Dichloroethene	5.311	96	129677	50.924	ug/l	95
22) Diisopropyl ether	6.216	45	263935	54.963	ug/l	99
23) Vinyl Acetate	6.152	43	530746m	293.756	ug/l	
24) 1,1-Dichloroethane	6.111	63	204037	52.026	ug/l	99
25) 2-Butanone	7.081	43	118087	260.369	ug/l	97
26) 2,2-Dichloropropane	7.075	77	151129	46.536	ug/l	100
27) cis-1,2-Dichloroethene	7.075	96	143650	52.219	ug/l	97
28) Bromochloromethane	7.422	49	51622	53.566	ug/l	99
29) Tetrahydrofuran	7.446	42	80208	299.760	ug/l	96
30) Chloroform	7.593	83	217941	52.949	ug/l	94
31) Cyclohexane	7.875	56	146144	48.678	ug/l	98
32) 1,1,1-Trichloroethane	7.793	97	169181	51.616	ug/l	98
36) 1,1-Dichloropropene	8.005	75	156172	53.904	ug/l	100
37) Ethyl Acetate	7.175	43	58257	60.948	ug/l	96
38) Carbon Tetrachloride	7.987	117	137641	54.195	ug/l	96
39) Methylcyclohexane	9.275	83	185060	55.904	ug/l	97
40) Benzene	8.252	78	505134	55.117	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	30114	61.837	ug/l	93
42) 1,2-Dichloroethane	8.322	62	119021	56.230	ug/l	98
43) Isopropyl Acetate	8.358	43	100799	58.842	ug/l	99
44) Trichloroethene	9.028	130	136798	53.383	ug/l	94
45) 1,2-Dichloropropane	9.305	63	121822	56.637	ug/l	98
46) Dibromomethane	9.393	93	72152	59.260	ug/l	100
47) Bromodichloromethane	9.587	83	164795	57.736	ug/l	100
48) Methyl methacrylate	9.381	41	47942	61.777	ug/l	98
49) 1,4-Dioxane	9.393	88	16929	1268.598	ug/l	97
51) 4-Methyl-2-Pentanone	10.157	43	286917	317.754	ug/l	98
52) Toluene	10.334	92	316476	56.153	ug/l	100
53) t-1,3-Dichloropropene	10.552	75	151697	57.267	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	185477	56.661	ug/l	98
55) 1,1,2-Trichloroethane	10.734	97	102130	59.242	ug/l	96
56) Ethyl methacrylate	10.599	69	111219	63.254	ug/l	95
57) 1,3-Dichloropropane	10.875	76	163396	59.675	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	216058	292.665	ug/l	100
59) 2-Hexanone	10.922	43	196095	316.525	ug/l	99
60) Dibromochloromethane	11.075	129	114797	58.742	ug/l	96
61) 1,2-Dibromoethane	11.181	107	92771	59.140	ug/l	99
64) Tetrachloroethene	10.810	164	117966	55.013	ug/l	99
65) Chlorobenzene	11.610	112	344899	53.771	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	121223	56.289	ug/l	99
67) Ethyl Benzene	11.687	91	572918	55.424	ug/l	100
68) m/p-Xylenes	11.793	106	489642	114.587	ug/l	100
69) o-Xylene	12.122	106	222248	57.687	ug/l	98
70) Styrene	12.134	104	391025	59.183	ug/l	99
71) Bromoform	12.299	173	70638	60.798	ug/l #	99
73) Isopropylbenzene	12.422	105	540369	52.387	ug/l	100
74) N-amyl acetate	12.234	43	97854	55.321	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.675	83	115750	56.057	ug/l	100
76) 1,2,3-Trichloropropane	12.722	75	64731m	43.038	ug/l	
77) Bromobenzene	12.698	156	143791	53.018	ug/l	98
78) n-propylbenzene	12.763	91	679309	53.267	ug/l	99
79) 2-Chlorotoluene	12.851	91	364241	52.361	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	460299	54.116	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.469	75	34006	54.151	ug/l	96
82) 4-Chlorotoluene	12.946	91	390587	52.735	ug/l	100
83) tert-Butylbenzene	13.169	119	380983	53.414	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	461266	54.299	ug/l	100
85) sec-Butylbenzene	13.346	105	584521	53.279	ug/l	100
86) p-Isopropyltoluene	13.463	119	494281	54.355	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	290193	53.078	ug/l	99
88) 1,4-Dichlorobenzene	13.540	146	287917	52.011	ug/l	100
89) n-Butylbenzene	13.787	91	447797	52.981	ug/l	99
90) Hexachloroethane	14.051	117	91889	50.327	ug/l	97
91) 1,2-Dichlorobenzene	13.834	146	259553	54.681	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.445	75	14590	53.487	ug/l	88
93) 1,2,4-Trichlorobenzene	15.098	180	152350	55.222	ug/l	96
94) Hexachlorobutadiene	15.204	225	69542	51.555	ug/l	98
95) Naphthalene	15.334	128	299631	51.917	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	139453	57.158	ug/l	99

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

