

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD053123\
 Data File : VD076300.D
 Acq On : 31 May 2023 22:56
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/01/2023
 Supervised By :Mahesh Dadoda 06/01/2023

Quant Time: Jun 01 01:45:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 10:08:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	164232	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	272468	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	267904	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	147411	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	85293	53.736	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.480%			
35) Dibromofluoromethane	7.810	113	100974	53.614	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.220%			
50) Toluene-d8	10.269	98	367504	50.057	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.120%			
62) 4-Bromofluorobenzene	12.575	95	107717	52.817	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.640%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	59424	40.119	ug/l	99
3) Chloromethane	2.146	50	133987	55.575	ug/l	99
4) Vinyl Chloride	2.275	62	161181	50.457	ug/l	99
5) Bromomethane	2.681	94	91562	42.574	ug/l	98
6) Chloroethane	2.828	64	117900	54.860	ug/l	94
7) Trichlorofluoromethane	3.163	101	121614	44.916	ug/l	93
8) Diethyl Ether	3.593	74	46765	52.521	ug/l	76
9) 1,1,2-Trichlorotrifluo...	3.958	101	83326	46.721	ug/l	94
10) Methyl Iodide	4.158	142	95296	51.390	ug/l	91
11) Tert butyl alcohol	5.069	59	24617	293.188	ug/l #	100
12) 1,1-Dichloroethene	3.928	96	80445	45.321	ug/l	92
13) Acrolein	3.799	56	41991	204.342	ug/l	98
14) Allyl chloride	4.552	41	83355	46.271	ug/l #	78
15) Acrylonitrile	5.252	53	104634	283.812	ug/l	97
16) Acetone	4.022	43	66168	209.521	ug/l #	77
17) Carbon Disulfide	4.263	76	200354	41.213	ug/l	99
18) Methyl Acetate	4.558	43	66278	58.834	ug/l #	75
19) Methyl tert-butyl Ether	5.316	73	195464	56.262	ug/l	94
20) Methylene Chloride	4.793	84	116702	45.851	ug/l #	78
21) trans-1,2-Dichloroethene	5.305	96	97607	47.713	ug/l #	77
22) Diisopropyl ether	6.216	45	243135	58.147	ug/l #	89
23) Vinyl Acetate	6.157	43	452432m	275.186	ug/l	
24) 1,1-Dichloroethane	6.110	63	171170	51.907	ug/l	97
25) 2-Butanone	7.081	43	107711	271.255	ug/l #	75
26) 2,2-Dichloropropane	7.069	77	125004	46.489	ug/l	94
27) cis-1,2-Dichloroethene	7.075	96	118491	52.196	ug/l	84
28) Bromochloromethane	7.422	49	56451	51.339	ug/l #	61
29) Tetrahydrofuran	7.446	42	69973	302.332	ug/l #	68
30) Chloroform	7.593	83	190724	54.083	ug/l	93
31) Cyclohexane	7.869	56	104244	42.882	ug/l #	86
32) 1,1,1-Trichloroethane	7.793	97	140891	50.133	ug/l	97
36) 1,1-Dichloropropene	8.004	75	119575	47.011	ug/l	95
37) Ethyl Acetate	7.175	43	51055	57.965	ug/l #	83
38) Carbon Tetrachloride	7.993	117	107988	47.002	ug/l	99
39) Methylcyclohexane	9.269	83	124359	42.466	ug/l	97
40) Benzene	8.246	78	407654	49.850	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	25194	52.167	ug/l #	68
42) 1,2-Dichloroethane	8.322	62	105057	54.315	ug/l	93
43) Isopropyl Acetate	8.357	43	88390	53.722	ug/l #	79
44) Trichloroethene	9.028	130	107764	46.760	ug/l	89
45) 1,2-Dichloropropane	9.304	63	107346	53.218	ug/l	95
46) Dibromomethane	9.393	93	61306	54.223	ug/l	94
47) Bromodichloromethane	9.581	83	148008	54.469	ug/l	95
48) Methyl methacrylate	9.381	41	39886	54.773	ug/l #	62
49) 1,4-Dioxane	9.387	88	15377	1271.825	ug/l #	77
51) 4-Methyl-2-Pentanone	10.157	43	258894	295.857	ug/l #	81
52) Toluene	10.334	92	258324	50.578	ug/l	94
53) t-1,3-Dichloropropene	10.551	75	129034	52.687	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	158829	53.142	ug/l #	76
55) 1,1,2-Trichloroethane	10.734	97	91246	56.277	ug/l	95
56) Ethyl methacrylate	10.598	69	92451	56.729	ug/l #	70
57) 1,3-Dichloropropane	10.881	76	142194	55.900	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	207655	265.566	ug/l	92
59) 2-Hexanone	10.922	43	175667	284.656	ug/l	76
60) Dibromochloromethane	11.075	129	102941	56.466	ug/l	99
61) 1,2-Dibromoethane	11.181	107	80131	55.558	ug/l	99
64) Tetrachloroethene	10.810	164	91374	44.354	ug/l	93
65) Chlorobenzene	11.604	112	296553	48.623	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.681	131	108061	51.485	ug/l	96
67) Ethyl Benzene	11.681	91	475522	48.793	ug/l	97
68) m/p-Xylenes	11.792	106	396172	99.463	ug/l	90
69) o-Xylene	12.122	106	184628	50.800	ug/l	88
70) Styrene	12.134	104	330875	52.509	ug/l	94
71) Bromoform	12.298	173	60272	51.052	ug/l #	97
73) Isopropylbenzene	12.422	105	446594	45.798	ug/l	96
74) N-amyl acetate	12.234	43	83230	47.918	ug/l #	76
75) 1,1,2,2-Tetrachloroethane	12.669	83	103525	49.396	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	66185m	51.307	ug/l	
77) Bromobenzene	12.698	156	122870	47.011	ug/l	91
78) n-propylbenzene	12.763	91	563842	46.454	ug/l	97
79) 2-Chlorotoluene	12.851	91	306661	45.650	ug/l	90
80) 1,3,5-Trimethylbenzene	12.904	105	380055	47.014	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.469	75	29033	47.215	ug/l #	72
82) 4-Chlorotoluene	12.945	91	329848	46.162	ug/l	91
83) tert-Butylbenzene	13.169	119	321519	47.062	ug/l	94
84) 1,2,4-Trimethylbenzene	13.210	105	390161	48.464	ug/l	92
85) sec-Butylbenzene	13.345	105	491442	46.157	ug/l	97
86) p-Isopropyltoluene	13.457	119	411416	47.224	ug/l	95
87) 1,3-Dichlorobenzene	13.457	146	255575	48.363	ug/l	96
88) 1,4-Dichlorobenzene	13.539	146	250223	47.820	ug/l	97
89) n-Butylbenzene	13.786	91	374311	45.592	ug/l	99
90) Hexachloroethane	14.051	117	78418	43.760	ug/l	92
91) 1,2-Dichlorobenzene	13.828	146	224352	48.378	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	13612	50.021	ug/l	87
93) 1,2,4-Trichlorobenzene	15.098	180	120928	44.829	ug/l	98
94) Hexachlorobutadiene	15.204	225	57634	41.904	ug/l	97
95) Naphthalene	15.333	128	250754	50.028	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	114116	46.515	ug/l	98

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

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