

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD053023\
 Data File : VD076280.D
 Acq On : 30 May 2023 18:00
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/31/2023
 Supervised By :Mahesh Dadoda 05/31/2023

Quant Time: May 31 02:21:17 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	7.869	168	136113	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	249357	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	252802	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	142047	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	81288	61.793	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 123.580%			
35) Dibromofluoromethane	7.805	113	94157	54.628	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.260%			
50) Toluene-d8	10.269	98	324574	48.307	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.620%			
62) 4-Bromofluorobenzene	12.575	95	103195	55.289	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 110.580%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	52953	43.136	ug/l	100
3) Chloromethane	2.146	50	122652	61.893	ug/l	98
4) Vinyl Chloride	2.275	62	147838	55.841	ug/l	99
5) Bromomethane	2.675	94	89548	50.240	ug/l	97
6) Chloroethane	2.828	64	107771	60.506	ug/l	95
7) Trichlorofluoromethane	3.164	101	108666	48.425	ug/l	99
8) Diethyl Ether	3.587	74	47018	63.714	ug/l	77
9) 1,1,2-Trichlorotrifluo...	3.958	101	74176	50.183	ug/l	95
10) Methyl Iodide	4.158	142	95570	62.184	ug/l #	89
11) Tert butyl alcohol	5.064	59	27328	392.715	ug/l #	100
12) 1,1-Dichloroethene	3.928	96	73237	49.784	ug/l	92
13) Acrolein	3.799	56	40934	240.350	ug/l	95
14) Allyl chloride	4.552	41	82371	55.171	ug/l #	79
15) Acrylonitrile	5.258	53	114852	375.885	ug/l	96
16) Acetone	4.022	43	89903	343.489	ug/l #	75
17) Carbon Disulfide	4.258	76	182503	45.589	ug/l	100
18) Methyl Acetate	4.558	43	68925	73.823	ug/l #	79
19) Methyl tert-butyl Ether	5.316	73	208206	72.310	ug/l	98
20) Methylene Chloride	4.799	84	138876	72.482	ug/l #	76
21) trans-1,2-Dichloroethene	5.305	96	91150	53.761	ug/l #	78
22) Diisopropyl ether	6.216	45	238217	68.740	ug/l #	90
23) Vinyl Acetate	6.152	43	498155m	365.592	ug/l	
24) 1,1-Dichloroethane	6.105	63	160945	58.888	ug/l	98
25) 2-Butanone	7.081	43	124478	378.242	ug/l #	80
26) 2,2-Dichloropropane	7.075	77	124388	55.816	ug/l	93
27) cis-1,2-Dichloroethene	7.075	96	115143	61.199	ug/l	84
28) Bromochloromethane	7.428	49	57515	63.113	ug/l #	63
29) Tetrahydrofuran	7.446	42	75698	394.636	ug/l #	67
30) Chloroform	7.593	83	181497	62.099	ug/l	98
31) Cyclohexane	7.875	56	90981	45.158	ug/l	89
32) 1,1,1-Trichloroethane	7.793	97	126041	54.114	ug/l	97
36) 1,1-Dichloropropene	8.005	75	109786	47.163	ug/l	96
37) Ethyl Acetate	7.169	43	55543	68.905	ug/l #	84
38) Carbon Tetrachloride	7.987	117	98369	46.784	ug/l	94
39) Methylcyclohexane	9.269	83	110891	41.377	ug/l	93
40) Benzene	8.246	78	379889	50.760	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	28823	65.212	ug/l #	67
42) 1,2-Dichloroethane	8.328	62	105101	59.373	ug/l	90
43) Isopropyl Acetate	8.363	43	96600	64.153	ug/l #	84
44) Trichloroethene	9.022	130	97706	46.325	ug/l	91
45) 1,2-Dichloropropane	9.304	63	103202	55.906	ug/l	89
46) Dibromomethane	9.393	93	61849	59.773	ug/l	90
47) Bromodichloromethane	9.581	83	142447	57.281	ug/l	95
48) Methyl methacrylate	9.381	41	44028	66.065	ug/l #	63
49) 1,4-Dioxane	9.387	88	16175	1461.820	ug/l #	76
51) 4-Methyl-2-Pentanone	10.157	43	273782	341.868	ug/l #	80
52) Toluene	10.334	92	245938	52.616	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	135041	60.251	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	162212	59.304	ug/l #	76
55) 1,1,2-Trichloroethane	10.734	97	93711	63.155	ug/l	97
56) Ethyl methacrylate	10.599	69	99211	66.519	ug/l #	70
57) 1,3-Dichloropropane	10.881	76	144356	62.010	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	221692	309.795	ug/l	91
59) 2-Hexanone	10.922	43	196099	347.216	ug/l	77
60) Dibromochloromethane	11.075	129	105754	63.385	ug/l	98
61) 1,2-Dibromoethane	11.181	107	83345	63.143	ug/l	97
64) Tetrachloroethene	10.810	164	80647	41.486	ug/l	93
65) Chlorobenzene	11.604	112	284354	49.408	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	102335	51.669	ug/l	93
67) Ethyl Benzene	11.687	91	439386	47.778	ug/l	94
68) m/p-Xylenes	11.793	106	373972	99.498	ug/l	89
69) o-Xylene	12.122	106	174232	50.803	ug/l	92
70) Styrene	12.134	104	322721	54.275	ug/l	94
71) Bromoform	12.298	173	63959	57.411	ug/l #	96
73) Isopropylbenzene	12.422	105	418181	44.503	ug/l	97
74) N-amyl acetate	12.234	43	91350	54.579	ug/l #	78
75) 1,1,2,2-Tetrachloroethane	12.675	83	110892	54.909	ug/l	97
76) 1,2,3-Trichloropropane	12.728	75	73163m	58.859	ug/l	
77) Bromobenzene	12.704	156	126986	50.420	ug/l	88
78) n-propylbenzene	12.763	91	517849	44.275	ug/l	95
79) 2-Chlorotoluene	12.851	91	294184	45.446	ug/l	89
80) 1,3,5-Trimethylbenzene	12.904	105	358854	46.068	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.469	75	32345	54.588	ug/l #	72
82) 4-Chlorotoluene	12.945	91	319303	46.374	ug/l	92
83) tert-Butylbenzene	13.169	119	292034	44.360	ug/l	92
84) 1,2,4-Trimethylbenzene	13.210	105	373572	48.155	ug/l	92
85) sec-Butylbenzene	13.345	105	448038	43.670	ug/l	96
86) p-Isopropyltoluene	13.463	119	385662	45.940	ug/l	94
87) 1,3-Dichlorobenzene	13.457	146	247529	48.609	ug/l	95
88) 1,4-Dichlorobenzene	13.540	146	246483	48.884	ug/l	96
89) n-Butylbenzene	13.787	91	346376	43.783	ug/l	98
90) Hexachloroethane	14.057	117	74179	42.958	ug/l	97
91) 1,2-Dichlorobenzene	13.834	146	226264	50.632	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.445	75	14312	54.579	ug/l	81
93) 1,2,4-Trichlorobenzene	15.098	180	125075	48.117	ug/l	99
94) Hexachlorobutadiene	15.204	225	53746	40.552	ug/l	98
95) Naphthalene	15.334	128	270689	56.045	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	115368	48.801	ug/l	96

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

