

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052623\
 Data File : VD076269.D
 Acq On : 26 May 2023 20:40
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/29/2023
 Supervised By :Mahesh Dadoda 05/30/2023

Quant Time: May 26 23:17:40 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	164600	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	283312	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	269004	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	142704	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	80295	50.474	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.940%			
35) Dibromofluoromethane	7.805	113	96164	49.106	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.220%			
50) Toluene-d8	10.269	98	354537	46.442	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 92.880%			
62) 4-Bromofluorobenzene	12.575	95	103394	48.757	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.520%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	63892	43.039	ug/l	95
3) Chloromethane	2.146	50	138242	57.356	ug/l	96
4) Vinyl Chloride	2.275	62	168961	52.774	ug/l	97
5) Bromomethane	2.681	94	94959	44.055	ug/l	99
6) Chloroethane	2.828	64	120991	56.172	ug/l	99
7) Trichlorofluoromethane	3.164	101	127581	47.014	ug/l	96
8) Diethyl Ether	3.587	74	47549	53.282	ug/l	72
9) 1,1,2-Trichlorotrifluo...	3.958	101	88882	49.725	ug/l	94
10) Methyl Iodide	4.158	142	100093	53.856	ug/l	90
11) Tert butyl alcohol	5.058	59	25909	307.886	ug/l #	100
12) 1,1-Dichloroethene	3.934	96	83986	47.210	ug/l	84
13) Acrolein	3.787	56	51998	252.474	ug/l	94
14) Allyl chloride	4.552	41	91342	50.592	ug/l #	79
15) Acrylonitrile	5.252	53	111463	301.659	ug/l	96
16) Acetone	4.017	43	70919	224.063	ug/l #	77
17) Carbon Disulfide	4.264	76	214721	44.274	ug/l	98
18) Methyl Acetate	4.558	43	66187	58.621	ug/l #	78
19) Methyl tert-butyl Ether	5.311	73	197704	56.779	ug/l	97
20) Methylene Chloride	4.793	84	124236	49.553	ug/l #	75
21) trans-1,2-Dichloroethene	5.305	96	101058	49.289	ug/l #	83
22) Diisopropyl ether	6.211	45	235031	56.083	ug/l #	93
23) Vinyl Acetate	6.152	43	488753	296.614	ug/l #	87
24) 1,1-Dichloroethane	6.099	63	174696	52.857	ug/l	97
25) 2-Butanone	7.081	43	110094	276.637	ug/l #	82
26) 2,2-Dichloropropane	7.069	77	128580	47.712	ug/l	92
27) cis-1,2-Dichloroethene	7.075	96	118882	52.251	ug/l	84
28) Bromochloromethane	7.422	49	56431	51.206	ug/l #	62
29) Tetrahydrofuran	7.440	42	69782	300.833	ug/l #	65
30) Chloroform	7.593	83	184391	52.170	ug/l	98
31) Cyclohexane	7.875	56	112938	46.355	ug/l #	81
32) 1,1,1-Trichloroethane	7.787	97	141970	50.404	ug/l	96
36) 1,1-Dichloropropene	8.005	75	125860	47.588	ug/l	95
37) Ethyl Acetate	7.163	43	50855	55.528	ug/l #	79
38) Carbon Tetrachloride	7.987	117	113281	47.419	ug/l	99
39) Methylcyclohexane	9.269	83	139124	45.690	ug/l	96
40) Benzene	8.246	78	406849	47.847	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	24810	49.405	ug/l #	67
42) 1,2-Dichloroethane	8.322	62	101759	50.596	ug/l	92
43) Isopropyl Acetate	8.357	43	91209	53.313	ug/l #	81
44) Trichloroethene	9.022	130	110187	45.981	ug/l	89
45) 1,2-Dichloropropane	9.304	63	103981	49.577	ug/l	94
46) Dibromomethane	9.393	93	59355	50.488	ug/l	94
47) Bromodichloromethane	9.581	83	142403	50.400	ug/l	99
48) Methyl methacrylate	9.381	41	38794	51.235	ug/l #	61
49) 1,4-Dioxane	9.387	88	15384	1223.702	ug/l #	79
51) 4-Methyl-2-Pentanone	10.157	43	261698	287.614	ug/l #	82
52) Toluene	10.334	92	261736	49.285	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	128966	50.644	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	156228	50.271	ug/l #	74
55) 1,1,2-Trichloroethane	10.734	97	88300	52.376	ug/l	95
56) Ethyl methacrylate	10.599	69	92779	54.751	ug/l #	69
57) 1,3-Dichloropropane	10.875	76	136988	51.792	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	211363	259.962	ug/l	92
59) 2-Hexanone	10.922	43	179900	280.357	ug/l	77
60) Dibromochloromethane	11.075	129	98287	51.849	ug/l	98
61) 1,2-Dibromoethane	11.181	107	78217	52.156	ug/l	97
64) Tetrachloroethene	10.810	164	91419	44.194	ug/l	96
65) Chlorobenzene	11.604	112	287956	47.020	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	103142	48.940	ug/l	95
67) Ethyl Benzene	11.681	91	475022	48.542	ug/l	98
68) m/p-Xylenes	11.793	106	391437	97.873	ug/l	90
69) o-Xylene	12.122	106	178107	48.805	ug/l	92
70) Styrene	12.134	104	324790	51.333	ug/l	93
71) Bromoform	12.298	173	59769	50.419	ug/l #	97
73) Isopropylbenzene	12.422	105	454623	48.159	ug/l	96
74) N-amyl acetate	12.234	43	87457	52.013	ug/l #	79
75) 1,1,2,2-Tetrachloroethane	12.675	83	100352	49.461	ug/l	100
76) 1,2,3-Trichloropropane	12.722	75	66960m	53.620	ug/l	
77) Bromobenzene	12.698	156	118992	47.029	ug/l	91
78) n-propylbenzene	12.763	91	561258	47.766	ug/l	97
79) 2-Chlorotoluene	12.851	91	310054	47.677	ug/l	91
80) 1,3,5-Trimethylbenzene	12.904	105	375260	47.952	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.469	75	29888	50.209	ug/l #	70
82) 4-Chlorotoluene	12.945	91	323787	46.809	ug/l	93
83) tert-Butylbenzene	13.169	119	322770	48.804	ug/l	93
84) 1,2,4-Trimethylbenzene	13.210	105	380951	48.880	ug/l	93
85) sec-Butylbenzene	13.345	105	497010	48.220	ug/l	97
86) p-Isopropyltoluene	13.463	119	410015	48.616	ug/l	93
87) 1,3-Dichlorobenzene	13.457	146	241878	47.281	ug/l	96
88) 1,4-Dichlorobenzene	13.540	146	240005	47.380	ug/l	97
89) n-Butylbenzene	13.787	91	372196	46.830	ug/l	99
90) Hexachloroethane	14.051	117	78761	45.401	ug/l	96
91) 1,2-Dichlorobenzene	13.834	146	217036	48.344	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	13931	52.882	ug/l	87
93) 1,2,4-Trichlorobenzene	15.104	180	115820	44.351	ug/l	98
94) Hexachlorobutadiene	15.204	225	56200	42.209	ug/l	98
95) Naphthalene	15.334	128	253531	52.251	ug/l	100
96) 1,2,3-Trichlorobenzene	15.522	180	110275	46.432	ug/l	97

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

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