

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052423\
 Data File : VD076209.D
 Acq On : 24 May 2023 12:43
 Operator : KP/SY
 Sample : VD0524SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0524SBS01

Quant Time: May 24 16:25:07 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

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/25/2023
 Supervised By :Mahesh Dadoda 05/25/2023

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	185152	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	324677	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	296889	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.521	152	155456	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	86760	48.484	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.960%		
35) Dibromofluoromethane	7.804	113	103390	46.069	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.140%		
50) Toluene-d8	10.269	98	392914	44.912	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	89.820%		
62) 4-Bromofluorobenzene	12.574	95	111800	46.004	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	92.000%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	34419	20.612	ug/l	100
3) Chloromethane	2.146	50	65293	21.256	ug/l	99
4) Vinyl Chloride	2.281	62	83423	23.165	ug/l	94
5) Bromomethane	2.675	94	54108	22.316	ug/l	97
6) Chloroethane	2.828	64	59815	24.688	ug/l	97
7) Trichlorofluoromethane	3.169	101	66462	21.773	ug/l	95
8) Diethyl Ether	3.593	74	20571	20.493	ug/l	76
9) 1,1,2-Trichlorotrifluo...	3.963	101	42837	21.305	ug/l	94
10) Methyl Iodide	4.157	142	43062	20.598	ug/l	93
11) Tert butyl alcohol	5.069	59	10033	105.992	ug/l #	100
12) 1,1-Dichloroethene	3.940	96	40167	20.072	ug/l	93
13) Acrolein	3.787	56	19948	86.105	ug/l	95
14) Allyl chloride	4.557	41	41604	20.485	ug/l #	80
15) Acrylonitrile	5.251	53	45463	109.382	ug/l	94
16) Acetone	4.022	43	40115	112.672	ug/l #	82
17) Carbon Disulfide	4.263	76	114265	19.387	ug/l	96
18) Methyl Acetate	4.563	43	26245	20.665	ug/l #	74
19) Methyl tert-butyl Ether	5.310	73	78943	20.155	ug/l	95
20) Methylene Chloride	4.804	84	74716	20.918	ug/l #	78
21) trans-1,2-Dichloroethene	5.310	96	46365	20.104	ug/l	90
22) Diisopropyl ether	6.222	45	100695	21.361	ug/l #	88
23) Vinyl Acetate	6.151	43	231352	124.818	ug/l #	93
24) 1,1-Dichloroethane	6.104	63	77015	20.716	ug/l	99
25) 2-Butanone	7.081	43	48570	108.497	ug/l #	80
26) 2,2-Dichloropropane	7.075	77	64713	21.347	ug/l	95
27) cis-1,2-Dichloroethene	7.081	96	52174	20.386	ug/l	83
28) Bromochloromethane	7.422	49	26535	21.406	ug/l #	69
29) Tetrahydrofuran	7.445	42	27683	106.095	ug/l #	66
30) Chloroform	7.598	83	84517	21.258	ug/l	92
31) Cyclohexane	7.875	56	57337	20.921	ug/l #	76
32) 1,1,1-Trichloroethane	7.792	97	65357	20.628	ug/l	96
36) 1,1-Dichloropropene	8.004	75	60292	19.892	ug/l	96
37) Ethyl Acetate	7.175	43	22271	21.219	ug/l #	85
38) Carbon Tetrachloride	7.986	117	53129	19.406	ug/l	91
39) Methylcyclohexane	9.275	83	64034	18.350	ug/l	90
40) Benzene	8.251	78	189038	19.399	ug/l	99

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41) Methacrylonitrile	7.398	41	10073	17.503	ug/l #	60
42) 1,2-Dichloroethane	8.328	62	46613	20.224	ug/l	91
43) Isopropyl Acetate	8.363	43	37450	19.101	ug/l #	79
44) Trichloroethene	9.022	130	49784	18.128	ug/l	90
45) 1,2-Dichloropropane	9.304	63	46094	19.177	ug/l	98
46) Dibromomethane	9.392	93	26895	19.962	ug/l	98
47) Bromodichloromethane	9.580	83	64000	19.765	ug/l	96
48) Methyl methacrylate	9.380	41	15896	18.319	ug/l #	60
49) 1,4-Dioxane	9.386	88	5588	387.861	ug/l #	80
51) 4-Methyl-2-Pentanone	10.163	43	106550	102.183	ug/l #	80
52) Toluene	10.333	92	120977	19.878	ug/l	94
53) t-1,3-Dichloropropene	10.551	75	56728	19.439	ug/l	93
54) cis-1,3-Dichloropropene	10.016	75	69474	19.507	ug/l #	74
55) 1,1,2-Trichloroethane	10.733	97	38011	19.674	ug/l	96
56) Ethyl methacrylate	10.598	69	35984	18.530	ug/l #	68
57) 1,3-Dichloropropane	10.880	76	59671	19.686	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	90207	96.813	ug/l	94
59) 2-Hexanone	10.922	43	74443	101.232	ug/l	76
60) Dibromochloromethane	11.075	129	42783	19.694	ug/l	99
61) 1,2-Dibromoethane	11.180	107	34147	19.868	ug/l	99
64) Tetrachloroethene	10.810	164	40098	17.564	ug/l	95
65) Chlorobenzene	11.610	112	128273	18.978	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.680	131	44337	19.062	ug/l	96
67) Ethyl Benzene	11.686	91	204752	18.958	ug/l	93
68) m/p-Xylenes	11.792	106	169738	38.454	ug/l	93
69) o-Xylene	12.122	106	77670	19.284	ug/l	89
70) Styrene	12.139	104	137838	19.739	ug/l	92
71) Bromoform	12.298	173	25173	19.240	ug/l #	99
73) Isopropylbenzene	12.422	105	193884	18.854	ug/l	97
74) N-amyl acetate	12.233	43	34586	18.882	ug/l #	77
75) 1,1,2,2-Tetrachloroethane	12.674	83	45064	20.389	ug/l	94
76) 1,2,3-Trichloropropane	12.727	75	31014m	22.798	ug/l	
77) Bromobenzene	12.704	156	49313	17.891	ug/l	96
78) n-propylbenzene	12.763	91	249868	19.521	ug/l	97
79) 2-Chlorotoluene	12.851	91	139403	19.678	ug/l	94
80) 1,3,5-Trimethylbenzene	12.904	105	164363	19.280	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.469	75	13185	20.333	ug/l #	71
82) 4-Chlorotoluene	12.951	91	145062	19.251	ug/l	92
83) tert-Butylbenzene	13.169	119	133723	18.561	ug/l	94
84) 1,2,4-Trimethylbenzene	13.216	105	164006	19.318	ug/l	95
85) sec-Butylbenzene	13.345	105	221235	19.704	ug/l	99
86) p-Isopropyltoluene	13.463	119	176586	19.220	ug/l	95
87) 1,3-Dichlorobenzene	13.463	146	103380	18.551	ug/l	97
88) 1,4-Dichlorobenzene	13.539	146	105190	19.063	ug/l	98
89) n-Butylbenzene	13.786	91	168678	19.482	ug/l	98
90) Hexachloroethane	14.057	117	35748	18.916	ug/l	98
91) 1,2-Dichlorobenzene	13.833	146	93615	19.142	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.451	75	5413	18.862	ug/l	83
93) 1,2,4-Trichlorobenzene	15.098	180	47212	16.596	ug/l	98
94) Hexachlorobutadiene	15.204	225	23305	16.067	ug/l	97
95) Naphthalene	15.333	128	91331	17.279	ug/l	99
96) 1,2,3-Trichlorobenzene	15.521	180	42744	16.521	ug/l	97

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

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