

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061423\
 Data File : VD076411.D
 Acq On : 14 Jun 2023 11:05
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 15 05:29:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061223S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 13 02:01:34 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 06/15/2023
 Supervised By :Mahesh Dadoda 06/15/2023

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	214460	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	365167	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	328099	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	158123	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	112980	45.610	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.220%		
35) Dibromofluoromethane	7.804	113	114364	48.457	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.920%		
50) Toluene-d8	10.269	98	426986	47.741	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.480%		
62) 4-Bromofluorobenzene	12.575	95	142386	46.406	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	92.820%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	82066	42.844	ug/l	99
3) Chloromethane	2.146	50	171038	47.157	ug/l	99
4) Vinyl Chloride	2.281	62	177911	51.263	ug/l	97
5) Bromomethane	2.687	94	101880	56.022	ug/l	98
6) Chloroethane	2.834	64	113823	54.462	ug/l	100
7) Trichlorofluoromethane	3.169	101	161447	46.228	ug/l	99
8) Diethyl Ether	3.587	74	59623	47.521	ug/l	68
9) 1,1,2-Trichlorotrifluo...	3.957	101	97501	46.433	ug/l	98
10) Methyl Iodide	4.152	142	122869	45.503	ug/l	93
11) Tert butyl alcohol	5.052	59	43929	212.141	ug/l #	93
12) 1,1-Dichloroethene	3.934	96	99469	46.448	ug/l #	78
13) Acrolein	3.787	56	63733	268.320	ug/l	95
14) Allyl chloride	4.552	41	195818	46.755	ug/l #	85
15) Acrylonitrile	5.246	53	151075	236.652	ug/l	98
16) Acetone	4.022	43	153427	281.752	ug/l #	79
17) Carbon Disulfide	4.263	76	287129	46.665	ug/l	96
18) Methyl Acetate	4.552	43	117947	47.508	ug/l #	84
19) Methyl tert-butyl Ether	5.310	73	282277	47.505	ug/l	98
20) Methylene Chloride	4.793	84	126509	43.567	ug/l #	73
21) trans-1,2-Dichloroethene	5.304	96	112758	45.309	ug/l #	77
22) Diisopropyl ether	6.210	45	402702	47.233	ug/l #	89
23) Vinyl Acetate	6.151	43	1045841	285.614	ug/l #	86
24) 1,1-Dichloroethane	6.110	63	222905	47.036	ug/l	96
25) 2-Butanone	7.075	43	212666	249.700	ug/l #	77
26) 2,2-Dichloropropane	7.069	77	192250	45.056	ug/l	94
27) cis-1,2-Dichloroethene	7.075	96	141206	47.664	ug/l	85
28) Bromochloromethane	7.416	49	65657	50.117	ug/l #	70
29) Tetrahydrofuran	7.440	42	132311	243.502	ug/l #	74
30) Chloroform	7.593	83	220525	46.690	ug/l	95
31) Cyclohexane	7.869	56	172519	43.528	ug/l	85
32) 1,1,1-Trichloroethane	7.787	97	183145	45.403	ug/l	97
36) 1,1-Dichloropropene	8.004	75	159820	46.394	ug/l	95
37) Ethyl Acetate	7.169	43	92138	50.851	ug/l #	89
38) Carbon Tetrachloride	7.987	117	146956	45.948	ug/l	98
39) Methylcyclohexane	9.269	83	186798	47.094	ug/l #	86
40) Benzene	8.245	78	476236	47.554	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	51684	44.589	ug/l #	80
42) 1,2-Dichloroethane	8.322	62	137298	46.039	ug/l	93
43) Isopropyl Acetate	8.357	43	181472	47.770	ug/l #	83
44) Trichloroethene	9.028	130	128267	47.247	ug/l	96
45) 1,2-Dichloropropane	9.304	63	130304	48.955	ug/l	99
46) Dibromomethane	9.392	93	69533	47.336	ug/l	96
47) Bromodichloromethane	9.581	83	170479	46.850	ug/l	97
48) Methyl methacrylate	9.381	41	85199	46.793	ug/l #	70
49) 1,4-Dioxane	9.387	88	16223	930.841	ug/l #	77
51) 4-Methyl-2-Pentanone	10.157	43	453491	240.345	ug/l #	84
52) Toluene	10.334	92	297943	47.061	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	174714	46.944	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	201536	47.088	ug/l #	80
55) 1,1,2-Trichloroethane	10.734	97	93251	47.528	ug/l	94
56) Ethyl methacrylate	10.598	69	130173	47.774	ug/l #	68
57) 1,3-Dichloropropane	10.881	76	163556	47.920	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	267640	241.142	ug/l	90
59) 2-Hexanone	10.922	43	330220	249.676	ug/l	81
60) Dibromochloromethane	11.075	129	114980	47.363	ug/l	95
61) 1,2-Dibromoethane	11.181	107	92904	48.806	ug/l	97
64) Tetrachloroethene	10.810	164	102862	45.667	ug/l	91
65) Chlorobenzene	11.610	112	322277	47.388	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	119047	46.815	ug/l	98
67) Ethyl Benzene	11.686	91	587290	46.886	ug/l	96
68) m/p-Xylenes	11.792	106	446842	94.282	ug/l	90
69) o-Xylene	12.122	106	219070	48.118	ug/l	93
70) Styrene	12.133	104	366668	47.205	ug/l	95
71) Bromoform	12.298	173	73705	49.693	ug/l #	94
73) Isopropylbenzene	12.422	105	546177	45.674	ug/l	97
74) N-amyl acetate	12.233	43	170575	46.774	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	12.675	83	111413	47.180	ug/l	97
76) 1,2,3-Trichloropropane	12.728	75	81503m	55.134	ug/l	
77) Bromobenzene	12.704	156	132008	46.788	ug/l	88
78) n-propylbenzene	12.763	91	663899	45.547	ug/l	97
79) 2-Chlorotoluene	12.851	91	368335	44.656	ug/l	95
80) 1,3,5-Trimethylbenzene	12.904	105	450951	45.180	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	38996	47.231	ug/l	92
82) 4-Chlorotoluene	12.951	91	384662	44.533	ug/l	93
83) tert-Butylbenzene	13.169	119	379626	44.321	ug/l	94
84) 1,2,4-Trimethylbenzene	13.216	105	448565	45.486	ug/l	96
85) sec-Butylbenzene	13.345	105	580610	46.055	ug/l	96
86) p-Isopropyltoluene	13.463	119	478613	45.086	ug/l	96
87) 1,3-Dichlorobenzene	13.463	146	257169	47.098	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	253636	47.002	ug/l	98
89) n-Butylbenzene	13.786	91	467671	45.853	ug/l	98
90) Hexachloroethane	14.057	117	92997	47.472	ug/l	94
91) 1,2-Dichlorobenzene	13.833	146	226782	47.224	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.451	75	17501	45.115	ug/l	95
93) 1,2,4-Trichlorobenzene	15.104	180	150940	46.962	ug/l	97
94) Hexachlorobutadiene	15.210	225	71671	44.324	ug/l	99
95) Naphthalene	15.333	128	304315	47.151	ug/l	99
96) 1,2,3-Trichlorobenzene	15.527	180	132083	47.582	ug/l	99

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

