

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051823\
 Data File : VD076147.D
 Acq On : 18 May 2023 18:29
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 19 01:54:46 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 05/19/2023
 Supervised By :Mahesh Dadoda 05/19/2023

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	191177	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	326909	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	312928	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	181529	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	88661	47.985	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.980%		
35) Dibromofluoromethane	7.805	113	103714	45.898	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.800%		
50) Toluene-d8	10.269	98	421974	47.904	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.800%		
62) 4-Bromofluorobenzene	12.575	95	117009	47.819	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	95.640%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	78295	45.410	ug/l	95
3) Chloromethane	2.146	50	159753	57.042	ug/l	97
4) Vinyl Chloride	2.281	62	194327	52.259	ug/l	99
5) Bromomethane	2.681	94	128034	51.142	ug/l	97
6) Chloroethane	2.828	64	136199	54.442	ug/l	94
7) Trichlorofluoromethane	3.170	101	141709	44.961	ug/l	98
8) Diethyl Ether	3.587	74	51009	49.213	ug/l	76
9) 1,1,2-Trichlorotrifluo...	3.964	101	95473	45.987	ug/l	95
10) Methyl Iodide	4.164	142	122011	56.522	ug/l	90
11) Tert butyl alcohol	5.064	59	24835	254.096	ug/l #	100
12) 1,1-Dichloroethene	3.940	96	97640	47.255	ug/l	89
13) Acrolein	3.793	56	48603	203.183	ug/l	96
14) Allyl chloride	4.564	41	104237	49.708	ug/l #	79
15) Acrylonitrile	5.264	53	111676	260.220	ug/l	97
16) Acetone	4.028	43	82927	225.579	ug/l #	80
17) Carbon Disulfide	4.269	76	283731	50.778	ug/l	96
18) Methyl Acetate	4.564	43	68450	52.198	ug/l #	79
19) Methyl tert-butyl Ether	5.317	73	212341	52.505	ug/l	97
20) Methylene Chloride	4.799	84	142399	48.720	ug/l #	74
21) trans-1,2-Dichloroethene	5.305	96	117755	49.449	ug/l #	80
22) Diisopropyl ether	6.216	45	265887	54.626	ug/l #	92
23) Vinyl Acetate	6.158	43	538699m	281.476	ug/l	
24) 1,1-Dichloroethane	6.111	63	194792	50.744	ug/l	99
25) 2-Butanone	7.081	43	117717	254.671	ug/l #	75
26) 2,2-Dichloropropane	7.075	77	154894	49.486	ug/l	92
27) cis-1,2-Dichloroethene	7.075	96	137820	52.153	ug/l	84
28) Bromochloromethane	7.422	49	65316	51.029	ug/l #	71
29) Tetrahydrofuran	7.440	42	72676	269.753	ug/l #	67
30) Chloroform	7.599	83	212587	51.786	ug/l	97
31) Cyclohexane	7.875	56	132178	46.710	ug/l #	83
32) 1,1,1-Trichloroethane	7.787	97	159032	48.612	ug/l	98
36) 1,1-Dichloropropene	8.005	75	147607	48.367	ug/l	96
37) Ethyl Acetate	7.163	43	53609	50.729	ug/l #	86
38) Carbon Tetrachloride	7.987	117	124292	45.089	ug/l	95
39) Methylcyclohexane	9.269	83	164275	46.755	ug/l	95
40) Benzene	8.246	78	474076	48.318	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	7.405	41	23684	40.873	ug/l	#	55
42) 1,2-Dichloroethane	8.328	62	111566	48.074	ug/l		91
43) Isopropyl Acetate	8.358	43	91702	46.453	ug/l	#	93
44) Trichloroethene	9.028	130	121749	44.030	ug/l		89
45) 1,2-Dichloropropane	9.305	63	118191	48.837	ug/l		97
46) Dibromomethane	9.393	93	65725	48.450	ug/l		97
47) Bromodichloromethane	9.581	83	157827	48.410	ug/l		96
48) Methyl methacrylate	9.381	41	43043	49.265	ug/l	#	63
49) 1,4-Dioxane	9.387	88	14711	1014.114	ug/l	#	80
51) 4-Methyl-2-Pentanone	10.157	43	260058	247.695	ug/l	#	80
52) Toluene	10.334	92	308414	50.329	ug/l		96
53) t-1,3-Dichloropropene	10.552	75	145287	49.444	ug/l		98
54) cis-1,3-Dichloropropene	10.016	75	179356	50.016	ug/l	#	77
55) 1,1,2-Trichloroethane	10.734	97	97819	50.284	ug/l		92
56) Ethyl methacrylate	10.599	69	100122	51.205	ug/l	#	69
57) 1,3-Dichloropropane	10.881	76	153153	50.182	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.869	63	235182	250.682	ug/l		92
59) 2-Hexanone	10.922	43	178474	241.043	ug/l		76
60) Dibromochloromethane	11.075	129	108354	49.537	ug/l		99
61) 1,2-Dibromoethane	11.175	107	85696	49.522	ug/l		96
64) Tetrachloroethene	10.810	164	98610	40.979	ug/l		90
65) Chlorobenzene	11.610	112	328326	46.087	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.681	131	113536	46.310	ug/l		95
67) Ethyl Benzene	11.687	91	557007	48.931	ug/l		96
68) m/p-Xylenes	11.793	106	460393	98.956	ug/l		91
69) o-Xylene	12.122	106	211300	49.773	ug/l		91
70) Styrene	12.134	104	378601	51.439	ug/l		93
71) Bromoform	12.299	173	60930	44.184	ug/l	#	98
73) Isopropylbenzene	12.422	105	520727	43.364	ug/l		98
74) N-amyl acetate	12.234	43	86732	40.549	ug/l	#	76
75) 1,1,2,2-Tetrachloroethane	12.675	83	108222	41.932	ug/l		97
76) 1,2,3-Trichloropropane	12.722	75	70189m	44.185	ug/l		
77) Bromobenzene	12.704	156	131556	40.874	ug/l		94
78) n-propylbenzene	12.763	91	654000	43.755	ug/l		98
79) 2-Chlorotoluene	12.851	91	356690	43.118	ug/l		92
80) 1,3,5-Trimethylbenzene	12.904	105	438522	44.051	ug/l		95
81) trans-1,4-Dichloro-2-b...	12.469	75	32469	42.879	ug/l	#	71
82) 4-Chlorotoluene	12.946	91	377057	42.851	ug/l		93
83) tert-Butylbenzene	13.169	119	362434	43.080	ug/l		93
84) 1,2,4-Trimethylbenzene	13.210	105	447276	45.116	ug/l		93
85) sec-Butylbenzene	13.345	105	580768	44.295	ug/l		99
86) p-Isopropyltoluene	13.463	119	510105	47.548	ug/l		94
87) 1,3-Dichlorobenzene	13.457	146	302756	46.524	ug/l		96
88) 1,4-Dichlorobenzene	13.540	146	292725	45.428	ug/l		96
89) n-Butylbenzene	13.787	91	460409	45.539	ug/l		98
90) Hexachloroethane	14.057	117	93495	42.367	ug/l		94
91) 1,2-Dichlorobenzene	13.828	146	265002	46.403	ug/l		96
92) 1,2-Dibromo-3-Chloropr...	14.445	75	14802	44.171	ug/l		83
93) 1,2,4-Trichlorobenzene	15.098	180	148511	44.707	ug/l		98
94) Hexachlorobutadiene	15.204	225	72604	42.866	ug/l		98
95) Naphthalene	15.334	128	282292	45.735	ug/l		99
96) 1,2,3-Trichlorobenzene	15.522	180	133781	44.282	ug/l		98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

05/19/2023
Supervised By :Mahesh
Dadoda

05/19/2023

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