

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052323\
 Data File : VD076205.D
 Acq On : 23 May 2023 20:59
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/24/2023
 Supervised By :Mahesh Dadoda 05/24/2023

Quant Time: May 24 06:43:31 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	186939	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	316300	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	299573	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	160243	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	84862	46.970	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.940%		
35) Dibromofluoromethane	7.804	113	94556	43.249	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	86.500%		
50) Toluene-d8	10.269	98	375125	44.014	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	88.020%		
62) 4-Bromofluorobenzene	12.575	95	105251	44.456	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	88.920%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	71055	42.145	ug/l	100
3) Chloromethane	2.146	50	145773	52.904	ug/l	96
4) Vinyl Chloride	2.281	62	176472	48.534	ug/l	99
5) Bromomethane	2.681	94	103251	42.178	ug/l	97
6) Chloroethane	2.828	64	121522	49.677	ug/l	93
7) Trichlorofluoromethane	3.169	101	133820	43.421	ug/l	98
8) Diethyl Ether	3.587	74	49127	48.472	ug/l	73
9) 1,1,2-Trichlorotrifluo...	3.963	101	90321	44.492	ug/l	94
10) Methyl Iodide	4.158	142	102893	48.747	ug/l	90
11) Tert butyl alcohol	5.058	59	27109	283.650	ug/l #	100
12) 1,1-Dichloroethene	3.934	96	88223	43.666	ug/l	94
13) Acrolein	3.799	56	43750	187.041	ug/l	94
14) Allyl chloride	4.558	41	94614	46.142	ug/l #	79
15) Acrylonitrile	5.252	53	117754	280.603	ug/l	97
16) Acetone	4.016	43	76340	212.369	ug/l #	83
17) Carbon Disulfide	4.263	76	238925	43.318	ug/l	98
18) Methyl Acetate	4.563	43	71431	55.706	ug/l #	78
19) Methyl tert-butyl Ether	5.316	73	200109	50.602	ug/l	99
20) Methylene Chloride	4.799	84	128567	43.949	ug/l #	79
21) trans-1,2-Dichloroethene	5.310	96	103678	44.524	ug/l #	82
22) Diisopropyl ether	6.216	45	240942	50.623	ug/l #	89
23) Vinyl Acetate	6.152	43	490437m	262.068	ug/l	
24) 1,1-Dichloroethane	6.110	63	177242	47.219	ug/l	96
25) 2-Butanone	7.081	43	118924	263.115	ug/l #	77
26) 2,2-Dichloropropane	7.075	77	135286	44.201	ug/l	92
27) cis-1,2-Dichloroethene	7.081	96	120479	46.625	ug/l	84
28) Bromochloromethane	7.422	49	62756	50.141	ug/l #	69
29) Tetrahydrofuran	7.440	42	75797	287.716	ug/l #	65
30) Chloroform	7.593	83	189813	47.287	ug/l	98
31) Cyclohexane	7.875	56	124159	44.871	ug/l #	82
32) 1,1,1-Trichloroethane	7.793	97	145460	45.471	ug/l	98
36) 1,1-Dichloropropene	8.010	75	133305	45.146	ug/l	95
37) Ethyl Acetate	7.169	43	55989	54.758	ug/l #	81
38) Carbon Tetrachloride	7.987	117	115046	43.135	ug/l	93
39) Methylcyclohexane	9.275	83	148011	43.539	ug/l	95
40) Benzene	8.251	78	426336	44.910	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	29169	52.027	ug/l #	68
42) 1,2-Dichloroethane	8.328	62	104774	46.662	ug/l	93
43) Isopropyl Acetate	8.363	43	96154	50.342	ug/l #	84
44) Trichloroethene	9.028	130	111693	41.749	ug/l	90
45) 1,2-Dichloropropane	9.304	63	107220	45.790	ug/l	92
46) Dibromomethane	9.393	93	60867	46.374	ug/l	97
47) Bromodichloromethane	9.581	83	143066	45.354	ug/l	96
48) Methyl methacrylate	9.381	41	42405	50.163	ug/l #	61
49) 1,4-Dioxane	9.381	88	15901	1132.913	ug/l #	81
51) 4-Methyl-2-Pentanone	10.157	43	279085	274.734	ug/l #	81
52) Toluene	10.334	92	272511	45.962	ug/l	95
53) t-1,3-Dichloropropene	10.551	75	133390	46.918	ug/l	96
54) cis-1,3-Dichloropropene	10.016	75	160194	46.171	ug/l #	76
55) 1,1,2-Trichloroethane	10.734	97	91108	48.405	ug/l	94
56) Ethyl methacrylate	10.598	69	97965	51.782	ug/l #	68
57) 1,3-Dichloropropane	10.881	76	142267	48.178	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	241244	265.768	ug/l	93
59) 2-Hexanone	10.922	43	190765	266.284	ug/l	75
60) Dibromochloromethane	11.075	129	99289	46.915	ug/l	99
61) 1,2-Dibromoethane	11.181	107	82796	49.451	ug/l	98
64) Tetrachloroethene	10.810	164	90601	39.330	ug/l	93
65) Chlorobenzene	11.604	112	295704	43.358	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	103159	43.953	ug/l	96
67) Ethyl Benzene	11.687	91	495061	45.428	ug/l	96
68) m/p-Xylenes	11.792	106	412658	92.650	ug/l	90
69) o-Xylene	12.122	106	189059	46.520	ug/l	89
70) Styrene	12.134	104	338291	48.011	ug/l	94
71) Bromoform	12.298	173	60778	46.038	ug/l #	100
73) Isopropylbenzene	12.422	105	470989	44.432	ug/l	97
74) N-amyl acetate	12.234	43	90544	47.955	ug/l #	77
75) 1,1,2,2-Tetrachloroethane	12.675	83	109800	48.195	ug/l	95
76) 1,2,3-Trichloropropane	12.722	75	55241m	39.394	ug/l	
77) Bromobenzene	12.704	156	118561	41.730	ug/l	94
78) n-propylbenzene	12.763	91	593657	44.993	ug/l	98
79) 2-Chlorotoluene	12.851	91	319301	43.725	ug/l	92
80) 1,3,5-Trimethylbenzene	12.904	105	392775	44.697	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.469	75	32586	48.750	ug/l #	69
82) 4-Chlorotoluene	12.945	91	336327	43.300	ug/l	93
83) tert-Butylbenzene	13.169	119	336499	45.311	ug/l	93
84) 1,2,4-Trimethylbenzene	13.210	105	396538	45.311	ug/l	94
85) sec-Butylbenzene	13.345	105	527930	45.614	ug/l	98
86) p-Isopropyltoluene	13.463	119	428043	45.198	ug/l	94
87) 1,3-Dichlorobenzene	13.457	146	248336	43.230	ug/l	97
88) 1,4-Dichlorobenzene	13.539	146	244807	43.039	ug/l	97
89) n-Butylbenzene	13.786	91	390738	43.782	ug/l	99
90) Hexachloroethane	14.057	117	82378	42.289	ug/l	99
91) 1,2-Dichlorobenzene	13.828	146	218780	43.398	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.451	75	13811	46.688	ug/l	80
93) 1,2,4-Trichlorobenzene	15.098	180	113925	38.851	ug/l	99
94) Hexachlorobutadiene	15.204	225	54176	36.235	ug/l	98
95) Naphthalene	15.333	128	254576	46.724	ug/l	100
96) 1,2,3-Trichlorobenzene	15.522	180	108273	40.599	ug/l	97

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

