

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051823\
 Data File : VD076131.D
 Acq On : 18 May 2023 09:56
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/19/2023
 Supervised By :Mahesh Dadoda 05/19/2023

Quant Time: May 19 01:51:14 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	201852	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	334812	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	315169	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	163634	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	100106	51.314	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.620%			
35) Dibromofluoromethane	7.804	113	118695	51.288	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.580%			
50) Toluene-d8	10.269	98	480220	53.230	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.460%			
62) 4-Bromofluorobenzene	12.575	95	132952	53.052	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 106.100%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	89258	49.030	ug/l	95
3) Chloromethane	2.146	50	170483	57.706	ug/l	100
4) Vinyl Chloride	2.281	62	222378	56.640	ug/l	99
5) Bromomethane	2.687	94	150176	56.814	ug/l	98
6) Chloroethane	2.834	64	152593	57.770	ug/l	94
7) Trichlorofluoromethane	3.175	101	168633	50.674	ug/l	99
8) Diethyl Ether	3.593	74	55647	50.848	ug/l	74
9) 1,1,2-Trichlorotrifluo...	3.969	101	115141	52.527	ug/l	94
10) Methyl Iodide	4.158	142	141865	62.244	ug/l	90
11) Tert butyl alcohol	5.052	59	24437	236.801	ug/l #	100
12) 1,1-Dichloroethene	3.940	96	115497	52.941	ug/l	89
13) Acrolein	3.799	56	55935	221.468	ug/l	94
14) Allyl chloride	4.558	41	120077	54.233	ug/l #	79
15) Acrylonitrile	5.257	53	115015	253.827	ug/l	96
16) Acetone	4.022	43	108488	279.503	ug/l #	80
17) Carbon Disulfide	4.269	76	327226	55.738	ug/l	96
18) Methyl Acetate	4.563	43	70167	50.677	ug/l #	79
19) Methyl tert-butyl Ether	5.316	73	229547	53.758	ug/l	99
20) Methylene Chloride	4.799	84	152418	49.581	ug/l #	82
21) trans-1,2-Dichloroethene	5.310	96	132892	52.854	ug/l	82
22) Diisopropyl ether	6.216	45	292383	56.893	ug/l #	88
23) Vinyl Acetate	6.157	43	546292m	270.348	ug/l	
24) 1,1-Dichloroethane	6.110	63	215606	53.196	ug/l	97
25) 2-Butanone	7.087	43	133097	272.717	ug/l #	77
26) 2,2-Dichloropropane	7.081	77	182107	55.103	ug/l	92
27) cis-1,2-Dichloroethene	7.081	96	151679	54.362	ug/l	85
28) Bromochloromethane	7.428	49	71573	52.961	ug/l #	66
29) Tetrahydrofuran	7.446	42	75598	265.760	ug/l #	68
30) Chloroform	7.593	83	233747	53.930	ug/l	96
31) Cyclohexane	7.875	56	156404	52.348	ug/l	84
32) 1,1,1-Trichloroethane	7.793	97	182675	52.886	ug/l	97
36) 1,1-Dichloropropene	8.004	75	166332	53.217	ug/l	95
37) Ethyl Acetate	7.163	43	54889	50.714	ug/l #	79
38) Carbon Tetrachloride	7.993	117	146140	51.764	ug/l	97
39) Methylcyclohexane	9.275	83	191386	53.185	ug/l	94
40) Benzene	8.251	78	530559	52.799	ug/l	98

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41) Methacrylonitrile	7.399	41	32558m	54.861	ug/l	
42) 1,2-Dichloroethane	8.328	62	122566	51.568	ug/l	92
43) Isopropyl Acetate	8.357	43	97999	48.471	ug/l #	80
44) Trichloroethene	9.028	130	139722	49.338	ug/l	92
45) 1,2-Dichloropropane	9.304	63	129818	52.375	ug/l	96
46) Dibromomethane	9.393	93	72124	51.913	ug/l	97
47) Bromodichloromethane	9.587	83	172067	51.532	ug/l	97
48) Methyl methacrylate	9.381	41	44384	49.601	ug/l #	62
49) 1,4-Dioxane	9.387	88	15497	1043.081	ug/l #	78
51) 4-Methyl-2-Pentanone	10.157	43	266453	247.796	ug/l #	79
52) Toluene	10.334	92	345154	54.995	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	159895	53.131	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	195192	53.148	ug/l #	77
55) 1,1,2-Trichloroethane	10.734	97	101358	50.874	ug/l	96
56) Ethyl methacrylate	10.598	69	105535	52.699	ug/l #	67
57) 1,3-Dichloropropane	10.881	76	163889	52.432	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	242832	252.726	ug/l	92
59) 2-Hexanone	10.922	43	199376	262.916	ug/l	76
60) Dibromochloromethane	11.075	129	116232	51.884	ug/l	99
61) 1,2-Dibromoethane	11.181	107	91133	51.421	ug/l	96
64) Tetrachloroethene	10.810	164	115952	47.844	ug/l	97
65) Chlorobenzene	11.610	112	363342	50.640	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	124917	50.590	ug/l	95
67) Ethyl Benzene	11.687	91	632836	55.197	ug/l	98
68) m/p-Xylenes	11.792	106	518504	110.654	ug/l	91
69) o-Xylene	12.122	106	237154	55.466	ug/l	92
70) Styrene	12.139	104	414924	55.973	ug/l	94
71) Bromoform	12.298	173	65916	47.459	ug/l #	97
73) Isopropylbenzene	12.422	105	591707	54.663	ug/l	98
74) N-amyl acetate	12.234	43	91262	47.333	ug/l #	77
75) 1,1,2,2-Tetrachloroethane	12.675	83	112949	48.550	ug/l	97
76) 1,2,3-Trichloropropane	12.728	75	62504m	43.650	ug/l	
77) Bromobenzene	12.704	156	144486	49.800	ug/l	92
78) n-propylbenzene	12.763	91	739577	54.891	ug/l	97
79) 2-Chlorotoluene	12.851	91	400742	53.741	ug/l	92
80) 1,3,5-Trimethylbenzene	12.904	105	490299	54.639	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.469	75	33232	48.686	ug/l #	72
82) 4-Chlorotoluene	12.945	91	419382	52.874	ug/l	95
83) tert-Butylbenzene	13.169	119	416170	54.877	ug/l	94
84) 1,2,4-Trimethylbenzene	13.216	105	494390	55.322	ug/l	95
85) sec-Butylbenzene	13.345	105	652054	55.171	ug/l	98
86) p-Isopropyltoluene	13.463	119	537400	55.570	ug/l	95
87) 1,3-Dichlorobenzene	13.457	146	304149	51.849	ug/l	96
88) 1,4-Dichlorobenzene	13.539	146	299315	51.531	ug/l	97
89) n-Butylbenzene	13.786	91	496091	54.435	ug/l	99
90) Hexachloroethane	14.057	117	99870	50.206	ug/l	98
91) 1,2-Dichlorobenzene	13.833	146	260509	50.605	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.451	75	13529	44.787	ug/l	78
93) 1,2,4-Trichlorobenzene	15.098	180	142154	47.473	ug/l	97
94) Hexachlorobutadiene	15.204	225	68556	44.903	ug/l	97
95) Naphthalene	15.333	128	268067	48.180	ug/l	100
96) 1,2,3-Trichlorobenzene	15.522	180	123372	45.302	ug/l	98

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

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