

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071023\
 Data File : VY014618.D
 Acq On : 10 Jul 2023 16:23
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/11/2023
 Supervised By : Mahesh Dadoda 07/11/2023

Quant Time: Jul 11 03:19:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y063023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 30 19:02:11 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	310067	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	451383	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	415083	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	229161	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	155983	50.570	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.140%			
35) Dibromofluoromethane	7.710	113	150519	54.150	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.300%			
50) Toluene-d8	10.173	98	572403	52.092	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.180%			
62) 4-Bromofluorobenzene	12.477	95	201690	52.860	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.720%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	117527	53.216	ug/l	100
3) Chloromethane	2.107	50	180312	50.212	ug/l	99
4) Vinyl Chloride	2.247	62	224587	54.259	ug/l	97
5) Bromomethane	2.638	94	164598	51.283	ug/l	100
6) Chloroethane	2.784	64	148853	55.851	ug/l	96
7) Trichlorofluoromethane	3.113	101	272991	54.304	ug/l	98
8) Diethyl Ether	3.522	74	97432	51.186	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.887	101	167564	55.817	ug/l	98
10) Methyl Iodide	4.082	142	191209	55.815	ug/l	92
11) Tert butyl alcohol	4.948	59	116109	214.512	ug/l #	80
12) 1,1-Dichloroethene	3.857	96	156366	53.766	ug/l	89
13) Acrolein	3.717	56	63380	154.730	ug/l	100
14) Allyl chloride	4.466	41	229349	52.321	ug/l	87
15) Acrylonitrile	5.155	53	280906	257.071	ug/l	99
16) Acetone	3.942	43	225607	234.212	ug/l #	86
17) Carbon Disulfide	4.186	76	458252	51.706	ug/l	99
18) Methyl Acetate	4.473	43	220912	50.380	ug/l #	90
19) Methyl tert-butyl Ether	5.210	73	467241	55.900	ug/l	99
20) Methylene Chloride	4.704	84	203858	59.610	ug/l	88
21) trans-1,2-Dichloroethene	5.204	96	176361	53.573	ug/l	95
22) Diisopropyl ether	6.113	45	468742	51.896	ug/l #	90
23) Vinyl Acetate	6.052	43	1381350	264.334	ug/l #	94
24) 1,1-Dichloroethane	6.009	63	294134	51.873	ug/l	98
25) 2-Butanone	6.978	43	341566	239.479	ug/l	92
26) 2,2-Dichloropropane	6.972	77	229480	47.481	ug/l	94
27) cis-1,2-Dichloroethene	6.978	96	195149	52.259	ug/l	89
28) Bromochloromethane	7.326	49	118496	49.768	ug/l	84
29) Tetrahydrofuran	7.344	42	233166	253.446	ug/l	89
30) Chloroform	7.496	83	309315	52.293	ug/l	96
31) Cyclohexane	7.777	56	242226	50.055	ug/l	92
32) 1,1,1-Trichloroethane	7.698	97	262677	51.954	ug/l	97
36) 1,1-Dichloropropene	7.911	75	224372	52.710	ug/l	98
37) Ethyl Acetate	7.070	43	149670	51.270	ug/l #	92
38) Carbon Tetrachloride	7.893	117	244200	54.955	ug/l	98
39) Methylcyclohexane	9.179	83	285666	56.144	ug/l	92
40) Benzene	8.155	78	672671	52.204	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	74300m	52.098	ug/l	
42) 1,2-Dichloroethane	8.228	62	204996	54.126	ug/l	94
43) Isopropyl Acetate	8.271	43	256025	51.751	ug/l #	91
44) Trichloroethene	8.935	130	193367	53.829	ug/l	97
45) 1,2-Dichloropropane	9.210	63	177923	53.825	ug/l	97
46) Dibromomethane	9.301	93	107062	53.202	ug/l	94
47) Bromodichloromethane	9.490	83	243641	54.949	ug/l	99
48) Methyl methacrylate	9.289	41	121991	54.225	ug/l #	81
49) 1,4-Dioxane	9.289	88	37731	1049.990	ug/l #	52
51) 4-Methyl-2-Pentanone	10.069	43	775806	264.882	ug/l	89
52) Toluene	10.240	92	431946	53.270	ug/l	98
53) t-1,3-Dichloropropene	10.459	75	258568	54.532	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	286607	54.176	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	159040	54.313	ug/l	96
56) Ethyl methacrylate	10.508	69	216310	54.305	ug/l #	80
57) 1,3-Dichloropropane	10.789	76	253458	53.123	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.777	63	508765	263.653	ug/l	96
59) 2-Hexanone	10.831	43	565559	267.315	ug/l	87
60) Dibromochloromethane	10.984	129	189902	55.347	ug/l	99
61) 1,2-Dibromoethane	11.087	107	155425	54.368	ug/l	99
64) Tetrachloroethene	10.715	164	201404	54.278	ug/l	98
65) Chlorobenzene	11.514	112	482338	54.527	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	183299	54.520	ug/l	98
67) Ethyl Benzene	11.587	91	832383	55.180	ug/l	99
68) m/p-Xylenes	11.697	106	652846	109.105	ug/l	94
69) o-Xylene	12.026	106	314962	55.498	ug/l	95
70) Styrene	12.038	104	547545	56.077	ug/l	97
71) Bromoform	12.203	173	146253	57.259	ug/l	100
73) Isopropylbenzene	12.325	105	827891	55.162	ug/l	98
74) N-amyl acetate	12.142	43	241210	53.251	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	205625	53.389	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	141930m	52.779	ug/l	
77) Bromobenzene	12.605	156	216693	52.862	ug/l	93
78) n-propylbenzene	12.666	91	988094	53.971	ug/l	98
79) 2-Chlorotoluene	12.752	91	555858	52.758	ug/l	96
80) 1,3,5-Trimethylbenzene	12.813	105	709610	55.850	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	69837	50.549	ug/l	86
82) 4-Chlorotoluene	12.849	91	576416	52.221	ug/l	97
83) tert-Butylbenzene	13.069	119	608738	54.515	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	701899	55.361	ug/l	98
85) sec-Butylbenzene	13.251	105	898795	54.547	ug/l	99
86) p-Isopropyltoluene	13.367	119	751584	54.200	ug/l	97
87) 1,3-Dichlorobenzene	13.361	146	431505	53.838	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	429584	53.482	ug/l	98
89) n-Butylbenzene	13.697	91	706579	55.137	ug/l	98
90) Hexachloroethane	13.959	117	149134	54.294	ug/l	87
91) 1,2-Dichlorobenzene	13.739	146	397396	54.738	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	37564	53.272	ug/l	81
93) 1,2,4-Trichlorobenzene	15.007	180	276992	59.071	ug/l	99
94) Hexachlorobutadiene	15.111	225	169905	58.954	ug/l	98
95) Naphthalene	15.233	128	574320	57.568	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	251925	58.964	ug/l	98

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

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