

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101322\
 Data File : VY010964.D
 Acq On : 13 Oct 2022 17:41
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/14/2022
 Supervised By :Mahesh Dadoda 10/14/2022

Quant Time: Oct 14 02:12:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 07:26:22 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	205995	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	338237	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	309512	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	156426	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	103626	49.629	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.260%		
35) Dibromofluoromethane	7.710	113	101268	45.103	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.200%		
50) Toluene-d8	10.179	98	368409	47.979	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	95.960%		
62) 4-Bromofluorobenzene	12.477	95	131613	43.386	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	86.780%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	67645	47.400	ug/l	99
3) Chloromethane	2.107	50	103546	43.623	ug/l	98
4) Vinyl Chloride	2.247	62	118562	41.481	ug/l	99
5) Bromomethane	2.644	94	77493	38.209	ug/l	98
6) Chloroethane	2.790	64	80613	42.321	ug/l	99
7) Trichlorofluoromethane	3.119	101	168852	48.510	ug/l	94
8) Diethyl Ether	3.521	74	63338	56.563	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.893	101	104445	52.338	ug/l	93
10) Methyl Iodide	4.082	142	128623	48.215	ug/l	92
11) Tert butyl alcohol	4.948	59	60551	342.614	ug/l	96
12) 1,1-Dichloroethene	3.863	96	98467	50.559	ug/l	86
13) Acrolein	3.723	56	23986	161.481	ug/l	98
14) Allyl chloride	4.472	41	162796	55.840	ug/l #	88
15) Acrylonitrile	5.155	53	182400	334.355	ug/l	98
16) Acetone	3.942	43	135461	255.441	ug/l #	87
17) Carbon Disulfide	4.186	76	287085	45.614	ug/l	100
18) Methyl Acetate	4.466	43	89095	65.771	ug/l #	91
19) Methyl tert-butyl Ether	5.216	73	296843	58.224	ug/l	99
20) Methylene Chloride	4.710	84	147947	65.254	ug/l	85
21) trans-1,2-Dichloroethene	5.210	96	115277	50.690	ug/l	92
22) Diisopropyl ether	6.112	45	373119	58.355	ug/l	94
23) Vinyl Acetate	6.051	43	1187463	306.597	ug/l #	94
24) 1,1-Dichloroethane	6.009	63	215203	55.270	ug/l	99
25) 2-Butanone	6.978	43	231839	304.085	ug/l #	89
26) 2,2-Dichloropropane	6.978	77	180208	48.758	ug/l	96
27) cis-1,2-Dichloroethene	6.978	96	136740	54.180	ug/l	89
28) Bromochloromethane	7.326	49	88928	60.584	ug/l	91
29) Tetrahydrofuran	7.344	42	152029	339.092	ug/l #	87
30) Chloroform	7.502	83	220416	54.852	ug/l	98
31) Cyclohexane	7.777	56	178030	47.634	ug/l	94
32) 1,1,1-Trichloroethane	7.697	97	186853	51.619	ug/l	97
36) 1,1-Dichloropropene	7.911	75	161367	49.786	ug/l	99
37) Ethyl Acetate	7.070	43	101687	63.932	ug/l #	96
38) Carbon Tetrachloride	7.893	117	168282	49.848	ug/l	97
39) Methylcyclohexane	9.179	83	188734	47.405	ug/l	93
40) Benzene	8.155	78	480215	51.432	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	51372m	54.877	ug/l	
42) 1,2-Dichloroethane	8.234	62	142076	53.824	ug/l	92
43) Isopropyl Acetate	8.271	43	175923	61.111	ug/l #	91
44) Trichloroethene	8.935	130	128411	50.794	ug/l	99
45) 1,2-Dichloropropane	9.209	63	125619	55.809	ug/l	97
46) Dibromomethane	9.301	93	72148	56.039	ug/l	95
47) Bromodichloromethane	9.496	83	172074	55.382	ug/l	97
48) Methyl methacrylate	9.289	41	81885	60.561	ug/l #	81
49) 1,4-Dioxane	9.295	88	21440	1352.793	ug/l #	86
51) 4-Methyl-2-Pentanone	10.069	43	517430	328.533	ug/l	90
52) Toluene	10.240	92	302666	50.935	ug/l	97
53) t-1,3-Dichloropropene	10.459	75	174823	54.346	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	200915	54.541	ug/l #	84
55) 1,1,2-Trichloroethane	10.642	97	102714	56.857	ug/l	99
56) Ethyl methacrylate	10.508	69	142308	61.309	ug/l #	79
57) 1,3-Dichloropropane	10.788	76	178129	57.996	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	366626	301.282	ug/l	98
59) 2-Hexanone	10.831	43	358239	328.415	ug/l	87
60) Dibromochloromethane	10.983	129	121708	56.190	ug/l	99
61) 1,2-Dibromoethane	11.087	107	98457	57.159	ug/l	100
64) Tetrachloroethene	10.715	164	121318	49.435	ug/l	95
65) Chlorobenzene	11.514	112	325812	50.832	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	121234	51.748	ug/l	96
67) Ethyl Benzene	11.587	91	580850	50.355	ug/l	100
68) m/p-Xylenes	11.697	106	447742	99.182	ug/l	96
69) o-Xylene	12.026	106	214148	50.738	ug/l	95
70) Styrene	12.044	104	368674	51.829	ug/l	96
71) Bromoform	12.203	173	79685	57.141	ug/l #	98
73) Isopropylbenzene	12.325	105	564619	49.098	ug/l	100
74) N-amyl acetate	12.142	43	158727	60.057	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.581	83	125514	58.419	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	91115m	57.518	ug/l	
77) Bromobenzene	12.605	156	133025	50.425	ug/l	98
78) n-propylbenzene	12.666	91	693561	49.521	ug/l	100
79) 2-Chlorotoluene	12.751	91	393949	50.277	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	477910	49.135	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.374	75	44304	58.422	ug/l	85
82) 4-Chlorotoluene	12.849	91	404831	49.410	ug/l	99
83) tert-Butylbenzene	13.075	119	411041	49.570	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	477163	49.899	ug/l	99
85) sec-Butylbenzene	13.251	105	614970	49.269	ug/l	99
86) p-Isopropyltoluene	13.367	119	515448	49.221	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	263613	49.233	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	261500	49.322	ug/l	98
89) n-Butylbenzene	13.696	91	483145	50.136	ug/l	99
90) Hexachloroethane	13.959	117	99791	49.819	ug/l	87
91) 1,2-Dichlorobenzene	13.739	146	239355	51.287	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	20979	60.723	ug/l	86
93) 1,2,4-Trichlorobenzene	15.007	180	144320	52.704	ug/l	99
94) Hexachlorobutadiene	15.111	225	81556	48.305	ug/l	99
95) Naphthalene	15.233	128	318418	61.012	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	127597	54.662	ug/l	98

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

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