

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100722\
 Data File : VY010859.D
 Acq On : 07 Oct 2022 09:38
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa
 Patel

10/10/2022
 Supervised By :Mahesh
 Dadoda

Quant Time: Oct 08 04:44:45 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	237344	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	383135	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	348596	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	175635	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	128037	53.221	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.440%	
35) Dibromofluoromethane	7.716	113	119562	47.011	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 94.020%	
50) Toluene-d8	10.179	98	467874	53.793	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.580%	
62) 4-Bromofluorobenzene	12.483	95	157204	45.966	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 91.940%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	74546	45.336	ug/l	96
3) Chloromethane	2.113	50	130056	47.554	ug/l	96
4) Vinyl Chloride	2.247	62	146840	44.589	ug/l	100
5) Bromomethane	2.644	94	99893	42.748	ug/l	99
6) Chloroethane	2.790	64	97749	44.539	ug/l	98
7) Trichlorofluoromethane	3.125	101	188877	47.096	ug/l	93
8) Diethyl Ether	3.528	74	67737	52.501	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.893	101	112105	48.756	ug/l	93
10) Methyl Iodide	4.088	142	145096	47.207	ug/l	92
11) Tert butyl alcohol	4.948	59	54113	258.870	ug/l	96
12) 1,1-Dichloroethene	3.869	96	109542	48.817	ug/l	87
13) Acrolein	3.723	56	45448	275.508	ug/l	98
14) Allyl chloride	4.473	41	180179	53.640	ug/l #	91
15) Acrylonitrile	5.155	53	180948	287.882	ug/l	98
16) Acetone	3.942	43	176936	289.582	ug/l	90
17) Carbon Disulfide	4.192	76	351511	48.473	ug/l	99
18) Methyl Acetate	4.473	43	88556	56.739	ug/l #	91
19) Methyl tert-butyl Ether	5.216	73	309932	52.762	ug/l	97
20) Methylene Chloride	4.710	84	132646	49.485	ug/l	91
21) trans-1,2-Dichloroethene	5.216	96	128520	49.049	ug/l	90
22) Diisopropyl ether	6.113	45	397487	53.955	ug/l	95
23) Vinyl Acetate	6.052	43	1258219	281.956	ug/l #	95
24) 1,1-Dichloroethane	6.015	63	230306	51.336	ug/l	99
25) 2-Butanone	6.978	43	247256	281.471	ug/l #	89
26) 2,2-Dichloropropane	6.978	77	200095	46.988	ug/l	95
27) cis-1,2-Dichloroethene	6.978	96	146958	50.537	ug/l	91
28) Bromochloromethane	7.326	49	97625	57.947	ug/l	93
29) Tetrahydrofuran	7.344	42	152329	294.884	ug/l #	89
30) Chloroform	7.503	83	235021	50.762	ug/l	99
31) Cyclohexane	7.783	56	204441	47.476	ug/l	93
32) 1,1,1-Trichloroethane	7.698	97	202743	48.611	ug/l	97
36) 1,1-Dichloropropene	7.911	75	180427	49.143	ug/l	98
37) Ethyl Acetate	7.070	43	104305	57.894	ug/l	95
38) Carbon Tetrachloride	7.899	117	185615	48.539	ug/l	98
39) Methylcyclohexane	9.179	83	216661	48.043	ug/l	93
40) Benzene	8.155	78	528870	50.005	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	50755m	48.194	ug/l	
42) 1,2-Dichloroethane	8.234	62	151628	50.711	ug/l	92
43) Isopropyl Acetate	8.271	43	181372	55.621	ug/l #	92
44) Trichloroethene	8.935	130	138338	48.308	ug/l	97
45) 1,2-Dichloropropane	9.216	63	134088	52.591	ug/l	97
46) Dibromomethane	9.301	93	76075	52.164	ug/l	94
47) Bromodichloromethane	9.496	83	181505	51.571	ug/l	100
48) Methyl methacrylate	9.289	41	84074	54.894	ug/l #	85
49) 1,4-Dioxane	9.295	88	21105	1175.604	ug/l #	84
51) 4-Methyl-2-Pentanone	10.069	43	517839	290.263	ug/l	91
52) Toluene	10.240	92	335197	49.799	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	189228	51.931	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	214750	51.465	ug/l #	85
55) 1,1,2-Trichloroethane	10.642	97	106832	52.207	ug/l	99
56) Ethyl methacrylate	10.508	69	144612	55.001	ug/l #	81
57) 1,3-Dichloropropane	10.789	76	186469	53.596	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	369131	270.661	ug/l	98
59) 2-Hexanone	10.831	43	368983	298.624	ug/l	88
60) Dibromochloromethane	10.984	129	126792	51.678	ug/l	100
61) 1,2-Dibromoethane	11.087	107	102776	52.675	ug/l	100
64) Tetrachloroethene	10.715	164	133604	48.338	ug/l	95
65) Chlorobenzene	11.514	112	353603	48.983	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	130624	49.504	ug/l	98
67) Ethyl Benzene	11.593	91	641058	49.344	ug/l	98
68) m/p-Xylenes	11.703	106	494796	97.317	ug/l	95
69) o-Xylene	12.032	106	234154	49.258	ug/l	95
70) Styrene	12.044	104	399991	49.927	ug/l	96
71) Bromoform	12.209	173	81234	51.721	ug/l #	98
73) Isopropylbenzene	12.331	105	621570	48.139	ug/l	99
74) N-amyl acetate	12.142	43	160901	54.221	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	124802	51.735	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	99216m	55.782	ug/l	
77) Bromobenzene	12.611	156	142241	48.022	ug/l	99
78) n-propylbenzene	12.672	91	764724	48.630	ug/l	100
79) 2-Chlorotoluene	12.758	91	425133	48.323	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	527113	48.267	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	45391	53.309	ug/l	87
82) 4-Chlorotoluene	12.855	91	443515	48.211	ug/l	100
83) tert-Butylbenzene	13.075	119	446163	47.921	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	528260	49.200	ug/l	99
85) sec-Butylbenzene	13.251	105	672874	48.012	ug/l	100
86) p-Isopropyltoluene	13.367	119	572464	48.687	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	287914	47.890	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	287667	48.323	ug/l	98
89) n-Butylbenzene	13.697	91	536236	49.559	ug/l	99
90) Hexachloroethane	13.959	117	108112	48.070	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	255586	48.775	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	20784	53.579	ug/l	87
93) 1,2,4-Trichlorobenzene	15.007	180	157242	51.143	ug/l	99
94) Hexachlorobutadiene	15.111	225	91287	48.155	ug/l	100
95) Naphthalene	15.239	128	327463	55.883	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	138300	52.767	ug/l	99

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

