

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092722\
 Data File : VY010703.D
 Acq On : 27 Sep 2022 17:08
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/28/2022
 Supervised By :Mahesh Dadoda 09/28/2022

Quant Time: Sep 28 01:27:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 01:02:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	216041	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	348001	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	320355	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	164838	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	112725	54.552	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.100%			
35) Dibromofluoromethane	7.710	113	103931	46.796	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.600%			
50) Toluene-d8	10.179	98	404734	49.352	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.700%			
62) 4-Bromofluorobenzene	12.477	95	137392	44.822	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 89.640%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	40063	39.177	ug/l	99
3) Chloromethane	2.107	50	67550	45.468	ug/l	97
4) Vinyl Chloride	2.247	62	81958	42.129	ug/l	99
5) Bromomethane	2.637	94	53793	40.619	ug/l	99
6) Chloroethane	2.784	64	61371	40.326	ug/l	97
7) Trichlorofluoromethane	3.119	101	120279	42.371	ug/l	91
8) Diethyl Ether	3.521	74	44904	46.135	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.893	101	76866	44.991	ug/l	94
10) Methyl Iodide	4.082	142	77505	39.270	ug/l	93
11) Tert butyl alcohol	4.948	59	51778	281.423	ug/l #	95
12) 1,1-Dichloroethene	3.863	96	63061	41.337	ug/l	93
13) Acrolein	3.723	56	24976	259.828	ug/l	99
14) Allyl chloride	4.473	41	112222	48.793	ug/l #	93
15) Acrylonitrile	5.149	53	147719	292.412	ug/l	96
16) Acetone	3.942	43	111414	264.397	ug/l #	89
17) Carbon Disulfide	4.186	76	115645	37.799	ug/l	98
18) Methyl Acetate	4.473	43	67030	56.497	ug/l #	90
19) Methyl tert-butyl Ether	5.216	73	238352	50.114	ug/l	98
20) Methylene Chloride	4.704	84	102699	44.450	ug/l	88
21) trans-1,2-Dichloroethene	5.210	96	73380	42.744	ug/l	89
22) Diisopropyl ether	6.112	45	296071	54.534	ug/l #	95
23) Vinyl Acetate	6.051	43	925401	288.537	ug/l #	94
24) 1,1-Dichloroethane	6.009	63	161949	49.701	ug/l	98
25) 2-Butanone	6.978	43	191354	290.319	ug/l #	90
26) 2,2-Dichloropropane	6.978	77	145684	46.494	ug/l	97
27) cis-1,2-Dichloroethene	6.978	96	100211	46.855	ug/l	91
28) Bromochloromethane	7.326	49	84792	54.911	ug/l	92
29) Tetrahydrofuran	7.344	42	117936	291.323	ug/l #	88
30) Chloroform	7.496	83	176936	50.191	ug/l	99
31) Cyclohexane	7.777	56	107927	46.227	ug/l	95
32) 1,1,1-Trichloroethane	7.698	97	148403	47.300	ug/l	97
36) 1,1-Dichloropropene	7.911	75	108411	43.809	ug/l	98
37) Ethyl Acetate	7.070	43	79517	55.632	ug/l	95
38) Carbon Tetrachloride	7.893	117	128318	45.097	ug/l	99
39) Methylcyclohexane	9.179	83	117094	40.428	ug/l	92
40) Benzene	8.155	78	338966	45.948	ug/l	98

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41) Methacrylonitrile	7.307	41	41911m	57.488	ug/l	
42) 1,2-Dichloroethane	8.234	62	112549	49.545	ug/l	94
43) Isopropyl Acetate	8.271	43	144555	55.173	ug/l #	93
44) Trichloroethene	8.935	130	92712	43.902	ug/l	97
45) 1,2-Dichloropropane	9.209	63	96090	50.350	ug/l	96
46) Dibromomethane	9.301	93	54199	48.361	ug/l	96
47) Bromodichloromethane	9.490	83	142377	51.451	ug/l	97
48) Methyl methacrylate	9.289	41	66400	57.411	ug/l #	90
49) 1,4-Dioxane	9.295	88	18072	1096.589	ug/l #	82
51) 4-Methyl-2-Pentanone	10.069	43	444473	300.480	ug/l	92
52) Toluene	10.240	92	221349	45.857	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	138867	49.629	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	152370	48.843	ug/l #	89
55) 1,1,2-Trichloroethane	10.642	97	83356	50.565	ug/l	99
56) Ethyl methacrylate	10.508	69	112780	52.810	ug/l #	83
57) 1,3-Dichloropropane	10.788	76	137728	50.438	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	304295	251.559	ug/l	97
59) 2-Hexanone	10.831	43	304790	303.996	ug/l	91
60) Dibromochloromethane	10.984	129	101842	50.483	ug/l	98
61) 1,2-Dibromoethane	11.087	107	74129	48.033	ug/l	100
64) Tetrachloroethene	10.715	164	89631	41.884	ug/l	96
65) Chlorobenzene	11.514	112	254282	45.903	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	104814	48.566	ug/l	98
67) Ethyl Benzene	11.587	91	447473	46.001	ug/l	97
68) m/p-Xylenes	11.697	106	344244	91.351	ug/l	95
69) o-Xylene	12.026	106	169150	46.040	ug/l	94
70) Styrene	12.038	104	297413	47.652	ug/l	95
71) Bromoform	12.203	173	66785	49.835	ug/l #	98
73) Isopropylbenzene	12.325	105	462640	45.413	ug/l	99
74) N-amyl acetate	12.142	43	132351	53.575	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	104873	50.519	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	74963m	47.648	ug/l	
77) Bromobenzene	12.605	156	107870	44.503	ug/l	100
78) n-propylbenzene	12.666	91	558826	46.053	ug/l	99
79) 2-Chlorotoluene	12.752	91	316517	45.778	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	391398	45.471	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.374	75	35382	50.004	ug/l	90
82) 4-Chlorotoluene	12.849	91	327111	45.816	ug/l	98
83) tert-Butylbenzene	13.075	119	355785	46.216	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	391443	45.775	ug/l	98
85) sec-Butylbenzene	13.251	105	526487	46.697	ug/l	100
86) p-Isopropyltoluene	13.367	119	443144	47.034	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	223813	45.492	ug/l	100
88) 1,4-Dichlorobenzene	13.440	146	222222	45.637	ug/l	99
89) n-Butylbenzene	13.696	91	411766	47.608	ug/l	100
90) Hexachloroethane	13.959	117	87104	48.151	ug/l	87
91) 1,2-Dichlorobenzene	13.733	146	204442	46.649	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	17730	51.182	ug/l	84
93) 1,2,4-Trichlorobenzene	15.001	180	123233	46.095	ug/l	99
94) Hexachlorobutadiene	15.111	225	73103	44.988	ug/l	98
95) Naphthalene	15.233	128	266493	49.471	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	109219	46.918	ug/l	99

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

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