

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092123\
 Data File : VY015678.D
 Acq On : 21 Sep 2023 18:19
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/22/2023
 Supervised By : Mahesh Dadoda 09/22/2023

Quant Time: Sep 22 01:23:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	148576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	266695	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	244720	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	123598	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	77510	47.414	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.820%		
35) Dibromofluoromethane	7.716	113	73546	46.074	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.140%		
50) Toluene-d8	10.179	98	232715	42.997	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	86.000%		
62) 4-Bromofluorobenzene	12.483	95	93050	43.809	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	87.620%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	49036	50.069	ug/l	95
3) Chloromethane	2.107	50	66454	53.786	ug/l	96
4) Vinyl Chloride	2.247	62	76113	53.879	ug/l	98
5) Bromomethane	2.644	94	59675	49.654	ug/l	98
6) Chloroethane	2.784	64	56571	54.028	ug/l	96
7) Trichlorofluoromethane	3.119	101	124031	52.353	ug/l	100
8) Diethyl Ether	3.528	74	55135	54.572	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.893	101	77165	52.020	ug/l	95
10) Methyl Iodide	4.088	142	77144	44.541	ug/l	98
11) Tert butyl alcohol	4.979	59	111458	330.658	ug/l #	84
12) 1,1-Dichloroethene	3.869	96	67787	51.860	ug/l	93
13) Acrolein	3.729	56	72403	289.197	ug/l	99
14) Allyl chloride	4.479	41	124612	52.141	ug/l	95
15) Acrylonitrile	5.168	53	212730	287.028	ug/l	98
16) Acetone	3.954	43	186633	213.332	ug/l	92
17) Carbon Disulfide	4.192	76	134841	53.102	ug/l	99
18) Methyl Acetate	4.479	43	208391	70.995	ug/l	94
19) Methyl tert-butyl Ether	5.222	73	295283	55.466	ug/l	98
20) Methylene Chloride	4.716	84	96020	50.130	ug/l	94
21) trans-1,2-Dichloroethene	5.216	96	79984	53.535	ug/l	97
22) Diisopropyl ether	6.119	45	312822	54.390	ug/l	94
23) Vinyl Acetate	6.058	43	858170	241.737	ug/l	96
24) 1,1-Dichloroethane	6.015	63	165618	52.830	ug/l	98
25) 2-Butanone	6.990	43	312305	252.559	ug/l	97
26) 2,2-Dichloropropane	6.978	77	114807	40.068	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	105961	53.423	ug/l	93
28) Bromochloromethane	7.338	49	44554	52.384	ug/l	100
29) Tetrahydrofuran	7.350	42	205181	293.569	ug/l	94
30) Chloroform	7.509	83	180592	53.792	ug/l	97
31) Cyclohexane	7.783	56	109912	48.534	ug/l	93
32) 1,1,1-Trichloroethane	7.704	97	147360	53.171	ug/l	99
36) 1,1-Dichloropropene	7.917	75	115734	49.036	ug/l	99
37) Ethyl Acetate	7.076	43	120620	51.236	ug/l	96
38) Carbon Tetrachloride	7.899	117	126452	49.358	ug/l	97
39) Methylcyclohexane	9.185	83	125845	48.207	ug/l	93
40) Benzene	8.161	78	360303	50.059	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	69287m	54.660	ug/l	
42) 1,2-Dichloroethane	8.234	62	128225	52.018	ug/l	95
43) Isopropyl Acetate	8.271	43	206984	51.470	ug/l	98
44) Trichloroethene	8.941	130	101252	50.367	ug/l	96
45) 1,2-Dichloropropane	9.216	63	101567	50.602	ug/l	93
46) Dibromomethane	9.307	93	66824	52.046	ug/l	95
47) Bromodichloromethane	9.496	83	147159	51.421	ug/l	96
48) Methyl methacrylate	9.289	41	95396	54.044	ug/l	92
49) 1,4-Dioxane	9.301	88	29120	1148.030	ug/l #	54
51) 4-Methyl-2-Pentanone	10.069	43	685177	274.891	ug/l	94
52) Toluene	10.246	92	232674	50.143	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	152005	49.530	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	161154	48.783	ug/l	92
55) 1,1,2-Trichloroethane	10.642	97	97358	51.743	ug/l	98
56) Ethyl methacrylate	10.508	69	147031	53.025	ug/l	90
57) 1,3-Dichloropropane	10.789	76	161804	51.279	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	224087	254.419	ug/l	96
59) 2-Hexanone	10.831	43	504715	263.930	ug/l	91
60) Dibromochloromethane	10.984	129	113465	51.659	ug/l	100
61) 1,2-Dibromoethane	11.087	107	95835	52.063	ug/l	100
64) Tetrachloroethene	10.721	164	117284	55.860	ug/l	95
65) Chlorobenzene	11.514	112	265157	49.638	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	105254	50.726	ug/l	98
67) Ethyl Benzene	11.593	91	465261	49.832	ug/l	99
68) m/p-Xylenes	11.703	106	353899	99.724	ug/l	96
69) o-Xylene	12.032	106	174155	50.047	ug/l	99
70) Styrene	12.044	104	310095	52.060	ug/l	96
71) Bromoform	12.209	173	81263	54.045	ug/l #	99
73) Isopropylbenzene	12.331	105	458328	49.432	ug/l	100
74) N-amyl acetate	12.142	43	168301	48.295	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	133452	51.716	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	106465m	53.994	ug/l	
77) Bromobenzene	12.611	156	114609	50.356	ug/l	95
78) n-propylbenzene	12.672	91	544866	48.372	ug/l	100
79) 2-Chlorotoluene	12.758	91	318900	49.667	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	383479	49.403	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	40600	46.367	ug/l	98
82) 4-Chlorotoluene	12.855	91	329467	49.153	ug/l	100
83) tert-Butylbenzene	13.075	119	332721	48.941	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	385489	49.634	ug/l	98
85) sec-Butylbenzene	13.252	105	493023	48.459	ug/l	100
86) p-Isopropyltoluene	13.367	119	408336	48.047	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	220394	48.811	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	221973	49.155	ug/l	99
89) n-Butylbenzene	13.697	91	371681	46.186	ug/l	97
90) Hexachloroethane	13.959	117	80391	49.013	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	208334	49.983	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	27385	53.434	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	119417	45.509	ug/l	98
94) Hexachlorobutadiene	15.111	225	61033	45.419	ug/l	98
95) Naphthalene	15.233	128	355280	51.925	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	116634	48.158	ug/l	98

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

