

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072023\
 Data File : VY014731.D
 Acq On : 20 Jul 2023 19:12
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 21 01:35:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/21/2023
 Supervised By : Mahesh Dadoda 07/21/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	251472	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	439413	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	396661	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	194310	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	154460	53.901	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.800%			
35) Dibromofluoromethane	7.716	113	142415	50.913	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.820%			
50) Toluene-d8	10.179	98	503317	48.806	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.620%			
62) 4-Bromofluorobenzene	12.477	95	190446	48.162	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.320%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	88361	43.129	ug/l	97
3) Chloromethane	2.113	50	133182	57.829	ug/l	100
4) Vinyl Chloride	2.247	62	153909	59.797	ug/l	97
5) Bromomethane	2.637	94	108922	64.036	ug/l	99
6) Chloroethane	2.784	64	103059	64.101	ug/l	100
7) Trichlorofluoromethane	3.119	101	225350	52.130	ug/l	98
8) Diethyl Ether	3.528	74	91795	57.073	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.893	101	132048	49.837	ug/l	95
10) Methyl Iodide	4.082	142	153000	54.260	ug/l	97
11) Tert butyl alcohol	4.954	59	173345	300.063	ug/l #	85
12) 1,1-Dichloroethene	3.863	96	128618	51.938	ug/l	93
13) Acrolein	3.729	56	7686	25.662	ug/l	96
14) Allyl chloride	4.472	41	200252	45.544	ug/l	95
15) Acrylonitrile	5.155	53	281044	316.875	ug/l	98
16) Acetone	3.942	43	238114	262.217	ug/l	93
17) Carbon Disulfide	4.186	76	340041	47.962	ug/l	98
18) Methyl Acetate	4.472	43	370221	106.239	ug/l	92
19) Methyl tert-butyl Ether	5.216	73	480126	59.686	ug/l	99
20) Methylene Chloride	4.710	84	159529	54.454	ug/l	91
21) trans-1,2-Dichloroethene	5.216	96	148698	52.912	ug/l	94
22) Diisopropyl ether	6.119	45	483835	54.124	ug/l #	88
23) Vinyl Acetate	6.058	43	843152m	157.612	ug/l	
24) 1,1-Dichloroethane	6.009	63	280159	54.773	ug/l	98
25) 2-Butanone	6.978	43	396904	298.758	ug/l	94
26) 2,2-Dichloropropane	6.978	77	129753	26.617	ug/l	94
27) cis-1,2-Dichloroethene	6.978	96	182924	55.921	ug/l	90
28) Bromochloromethane	7.332	49	126797	57.559	ug/l	90
29) Tetrahydrofuran	7.344	42	266797	326.142	ug/l	91
30) Chloroform	7.502	83	295571	56.037	ug/l	97
31) Cyclohexane	7.783	56	206124	43.331	ug/l	92
32) 1,1,1-Trichloroethane	7.698	97	253557	53.412	ug/l	97
36) 1,1-Dichloropropene	7.917	75	199945	47.798	ug/l	98
37) Ethyl Acetate	7.070	43	146642	50.916	ug/l #	95
38) Carbon Tetrachloride	7.899	117	222048	50.215	ug/l	99
39) Methylcyclohexane	9.179	83	241592	44.330	ug/l	94
40) Benzene	8.155	78	608188	51.121	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	79042m	53.357	ug/l	
42) 1,2-Dichloroethane	8.234	62	207072	54.963	ug/l	94
43) Isopropyl Acetate	8.271	43	282362	51.467	ug/l	95
44) Trichloroethene	8.935	130	175958	52.861	ug/l	97
45) 1,2-Dichloropropane	9.216	63	161265	51.911	ug/l	100
46) Dibromomethane	9.301	93	105814	56.146	ug/l	97
47) Bromodichloromethane	9.496	83	241329	54.331	ug/l	99
48) Methyl methacrylate	9.289	41	141104	57.158	ug/l	92
49) 1,4-Dioxane	9.295	88	39661	1290.619	ug/l #	49
51) 4-Methyl-2-Pentanone	10.069	43	878128	304.849	ug/l	93
52) Toluene	10.240	92	394711	51.848	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	215984	44.454	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	230156	43.560	ug/l	93
55) 1,1,2-Trichloroethane	10.642	97	151212	57.600	ug/l	99
56) Ethyl methacrylate	10.508	69	223648	55.797	ug/l	91
57) 1,3-Dichloropropane	10.788	76	251703	55.589	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	523002	280.038	ug/l	93
59) 2-Hexanone	10.831	43	615650	293.077	ug/l	91
60) Dibromochloromethane	10.984	129	183622	57.049	ug/l	99
61) 1,2-Dibromoethane	11.087	107	152896	58.382	ug/l	98
64) Tetrachloroethene	10.715	164	192293	60.276	ug/l	97
65) Chlorobenzene	11.514	112	440713	52.139	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	172044	53.982	ug/l	99
67) Ethyl Benzene	11.593	91	764637	50.102	ug/l	99
68) m/p-Xylenes	11.697	106	577492	99.128	ug/l	97
69) o-Xylene	12.026	106	290156	51.135	ug/l	98
70) Styrene	12.038	104	494588	51.716	ug/l	98
71) Bromoform	12.203	173	128217	59.352	ug/l #	98
73) Isopropylbenzene	12.325	105	741637	48.745	ug/l	99
74) N-amyl acetate	12.142	43	133753	26.249	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	193422	55.748	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	139676m	56.916	ug/l	
77) Bromobenzene	12.605	156	184191	53.035	ug/l	98
78) n-propylbenzene	12.666	91	866807	47.279	ug/l	99
79) 2-Chlorotoluene	12.751	91	515729	48.838	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	619068	48.721	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	43554	34.362	ug/l	94
82) 4-Chlorotoluene	12.849	91	522851	48.076	ug/l	100
83) tert-Butylbenzene	13.075	119	545733	48.418	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	609241	48.857	ug/l	99
85) sec-Butylbenzene	13.251	105	781231	47.249	ug/l	100
86) p-Isopropyltoluene	13.367	119	630173	46.680	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	347231	51.371	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	348158	51.401	ug/l	99
89) n-Butylbenzene	13.696	91	573809	43.689	ug/l	96
90) Hexachloroethane	13.959	117	136000	49.047	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	327514	52.886	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	38607	58.185	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	194048	49.361	ug/l	98
94) Hexachlorobutadiene	15.111	225	94731	43.851	ug/l	99
95) Naphthalene	15.233	128	530507	57.924	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	181943	52.076	ug/l	99

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

