

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042623\
 Data File : VY013485.D
 Acq On : 26 Apr 2023 19:45
 Operator : KP/MD
 Sample : 02401-06MS
 Misc : 2.95g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20230318-31-4MS

Quant Time: Apr 27 01:38:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 04/27/2023
 Supervised By :Mahesh Dadoda 04/27/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	157486	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	256161	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	214227	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	82312	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	95533	55.337	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.680%			
35) Dibromofluoromethane	7.716	113	85078	52.806	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.620%			
50) Toluene-d8	10.179	98	288072	50.261	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.520%			
62) 4-Bromofluorobenzene	12.483	95	87711	45.394	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 90.780%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	91931	61.402	ug/l	99
3) Chloromethane	2.113	50	127929	63.745	ug/l	99
4) Vinyl Chloride	2.253	62	126006	63.059	ug/l	100
5) Bromomethane	2.656	94	72245	45.369	ug/l	96
6) Chloroethane	2.796	64	84626	61.303	ug/l	99
7) Trichlorofluoromethane	3.125	101	167458	55.319	ug/l	99
8) Diethyl Ether	3.528	74	56049	54.372	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.899	101	92135	54.262	ug/l	93
10) Methyl Iodide	4.095	142	62229	29.179	ug/l	99
11) Tert butyl alcohol	4.979	59	38708m	199.196	ug/l	
12) 1,1-Dichloroethene	3.875	96	87943	53.731	ug/l	91
13) Acrolein	3.735	56	1659	2.223	ug/l	98
14) Allyl chloride	4.479	41	144883	47.706	ug/l	96
15) Acrylonitrile	5.168	53	141682	245.418	ug/l	99
16) Acetone	3.954	43	196026	288.328	ug/l	94
17) Carbon Disulfide	4.198	76	213801	40.214	ug/l	99
18) Methyl Acetate	4.479	43	200335	89.217	ug/l	91
19) Methyl tert-butyl Ether	5.222	73	271096	57.372	ug/l	97
20) Methylene Chloride	4.716	84	128338	62.236	ug/l #	83
21) trans-1,2-Dichloroethene	5.222	96	93982	52.517	ug/l	94
22) Diisopropyl ether	6.119	45	360111	60.666	ug/l #	92
23) Vinyl Acetate	6.058	43	275043	81.836	ug/l #	93
24) 1,1-Dichloroethane	6.015	63	196736	59.467	ug/l	97
25) 2-Butanone	6.990	43	235415	273.032	ug/l	92
26) 2,2-Dichloropropane	6.984	77	157954	55.408	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	111548	56.416	ug/l	92
28) Bromochloromethane	7.332	49	72126	61.437	ug/l #	78
29) Tetrahydrofuran	7.350	42	141307	263.280	ug/l	90
30) Chloroform	7.509	83	199515	60.656	ug/l	97
31) Cyclohexane	7.789	56	153976	49.815	ug/l	86
32) 1,1,1-Trichloroethane	7.704	97	169354	57.698	ug/l	96
36) 1,1-Dichloropropene	7.917	75	140448	52.525	ug/l	96
37) Ethyl Acetate	7.076	43	82334	40.917	ug/l	95
38) Carbon Tetrachloride	7.899	117	111812	39.896	ug/l	96
39) Methylcyclohexane	9.185	83	124241	39.413	ug/l	96
40) Benzene	8.161	78	418147	55.516	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	46698m	49.802	ug/l	
42) 1,2-Dichloroethane	8.234	62	137675	55.909	ug/l	98
43) Isopropyl Acetate	8.271	43	164589	48.460	ug/l	96
44) Trichloroethene	8.941	130	107893	53.851	ug/l	98
45) 1,2-Dichloropropane	9.216	63	111940	56.840	ug/l	98
46) Dibromomethane	9.301	93	65691	55.748	ug/l	91
47) Bromodichloromethane	9.496	83	143084	54.266	ug/l	98
48) Methyl methacrylate	9.289	41	94846	60.805	ug/l	91
49) 1,4-Dioxane	9.313	88	13279	789.042	ug/l #	87
51) 4-Methyl-2-Pentanone	10.069	43	513060	271.084	ug/l	96
52) Toluene	10.246	92	249067	54.950	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	107312	38.456	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	108398	34.522	ug/l	92
55) 1,1,2-Trichloroethane	10.642	97	86299	55.303	ug/l	97
56) Ethyl methacrylate	10.508	69	97584	45.075	ug/l #	85
57) 1,3-Dichloropropane	10.788	76	144653	54.734	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	203536	250.718	ug/l	91
59) 2-Hexanone	10.831	43	370796	269.516	ug/l	95
60) Dibromochloromethane	10.984	129	91971	48.539	ug/l	99
61) 1,2-Dibromoethane	11.087	107	78082	50.894	ug/l	99
64) Tetrachloroethene	10.721	164	118137	72.521	ug/l	89
65) Chlorobenzene	11.514	112	248902	53.336	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	94967	54.412	ug/l	99
67) Ethyl Benzene	11.593	91	450243	54.943	ug/l	99
68) m/p-Xylenes	11.703	106	336292	107.950	ug/l	96
69) o-Xylene	12.026	106	161507	54.818	ug/l	97
70) Styrene	12.044	104	237718	48.256	ug/l	98
71) Bromoform	12.209	173	53646	43.882	ug/l #	99
73) Isopropylbenzene	12.331	105	388579	62.414	ug/l	98
74) N-amyl acetate	12.142	43	70622	31.876	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	100124	65.795	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	72210m	65.050	ug/l	
77) Bromobenzene	12.605	156	93637	62.072	ug/l	90
78) n-propylbenzene	12.672	91	449783	58.654	ug/l	96
79) 2-Chlorotoluene	12.758	91	263855	61.615	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	294932	58.041	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.380	75	14935	27.521	ug/l	94
82) 4-Chlorotoluene	12.855	91	270283	60.556	ug/l	96
83) tert-Butylbenzene	13.075	119	236007	53.609	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	289247	58.548	ug/l	99
85) sec-Butylbenzene	13.251	105	316849	47.955	ug/l	96
86) p-Isopropyltoluene	13.367	119	250616	47.167	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	151191	52.606	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	152022	52.364	ug/l	98
89) n-Butylbenzene	13.696	91	207000	39.916	ug/l	97
90) Hexachloroethane	13.959	117	22156	19.813	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	137304	52.905	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	14271	53.100	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	43756	28.278	ug/l	99
94) Hexachlorobutadiene	15.111	225	14189	15.756	ug/l	98
95) Naphthalene	15.233	128	124001	36.935	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	36821	26.699	ug/l	97

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

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