

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081523\
 Data File : VY015134.D
 Acq On : 16 Aug 2023 04:02
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 16 04:28:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 08/16/2023
 Supervised By :Mahesh Dadoda 08/16/2023

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	170310	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	289565	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	260567	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	132184	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	109892	53.752	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.500%			
35) Dibromofluoromethane	7.722	113	98429	52.837	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.680%			
50) Toluene-d8	10.185	98	357711	51.583	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.160%			
62) 4-Bromofluorobenzene	12.483	95	125671	49.616	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.240%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	35365	48.321	ug/l	95
3) Chloromethane	2.113	50	56189	55.677	ug/l	99
4) Vinyl Chloride	2.253	62	68404	50.475	ug/l	98
5) Bromomethane	2.650	94	55069	59.602	ug/l	97
6) Chloroethane	2.790	64	54210	55.096	ug/l	95
7) Trichlorofluoromethane	3.125	101	114483	50.134	ug/l	99
8) Diethyl Ether	3.534	74	45940	51.297	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.899	101	67978	47.898	ug/l	98
10) Methyl Iodide	4.094	142	75806	54.397	ug/l	98
11) Tert butyl alcohol	4.972	59	71422	209.574	ug/l #	82
12) 1,1-Dichloroethene	3.875	96	59116	49.883	ug/l	91
13) Acrolein	3.741	56	26873	194.460	ug/l	100
14) Allyl chloride	4.485	41	100109	47.646	ug/l	97
15) Acrylonitrile	5.174	53	161466	266.043	ug/l	100
16) Acetone	3.954	43	130216	194.970	ug/l	96
17) Carbon Disulfide	4.198	76	102173	48.990	ug/l	98
18) Methyl Acetate	4.485	43	153617	62.765	ug/l	92
19) Methyl tert-butyl Ether	5.228	73	257047	51.012	ug/l	99
20) Methylene Chloride	4.716	84	91376	57.730	ug/l	91
21) trans-1,2-Dichloroethene	5.222	96	69312	51.851	ug/l	97
22) Diisopropyl ether	6.131	45	261433	49.865	ug/l #	90
23) Vinyl Acetate	6.070	43	705720	225.588	ug/l #	94
24) 1,1-Dichloroethane	6.021	63	147158	51.845	ug/l	97
25) 2-Butanone	6.990	43	223589	236.441	ug/l	94
26) 2,2-Dichloropropane	6.990	77	103383	37.782	ug/l	96
27) cis-1,2-Dichloroethene	6.990	96	95961	52.552	ug/l	91
28) Bromochloromethane	7.338	49	64428	49.406	ug/l	90
29) Tetrahydrofuran	7.356	42	146517	259.120	ug/l	91
30) Chloroform	7.515	83	166126	52.209	ug/l	96
31) Cyclohexane	7.789	56	90769	49.690	ug/l	88
32) 1,1,1-Trichloroethane	7.704	97	140098	51.741	ug/l	99
36) 1,1-Dichloropropene	7.923	75	97949	47.527	ug/l	98
37) Ethyl Acetate	7.082	43	90664	47.195	ug/l #	96
38) Carbon Tetrachloride	7.905	117	119424	48.962	ug/l	97
39) Methylcyclohexane	9.191	83	108259	46.858	ug/l	93
40) Benzene	8.167	78	315029	50.559	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	47047m	47.494	ug/l	
42) 1,2-Dichloroethane	8.240	62	114999	50.819	ug/l	95
43) Isopropyl Acetate	8.277	43	167231	47.803	ug/l	98
44) Trichloroethene	8.941	130	90235	50.267	ug/l	100
45) 1,2-Dichloropropane	9.222	63	86977	49.502	ug/l	97
46) Dibromomethane	9.313	93	57161	51.582	ug/l	97
47) Bromodichloromethane	9.502	83	134758	50.960	ug/l	99
48) Methyl methacrylate	9.295	41	76091	50.846	ug/l	93
49) 1,4-Dioxane	9.307	88	21877	987.251	ug/l #	55
51) 4-Methyl-2-Pentanone	10.075	43	522773	257.843	ug/l	93
52) Toluene	10.246	92	203998	49.672	ug/l	96
53) t-1,3-Dichloropropene	10.471	75	127081	45.728	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	134644	46.004	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	84861	50.363	ug/l	95
56) Ethyl methacrylate	10.514	69	122029	49.485	ug/l	91
57) 1,3-Dichloropropane	10.794	76	137901	50.093	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	273120	237.993	ug/l	93
59) 2-Hexanone	10.837	43	379263	252.749	ug/l	93
60) Dibromochloromethane	10.990	129	104275	51.879	ug/l	100
61) 1,2-Dibromoethane	11.093	107	81574	50.962	ug/l	97
64) Tetrachloroethene	10.721	164	102693	56.569	ug/l	97
65) Chlorobenzene	11.520	112	238772	50.293	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	99891	51.855	ug/l	98
67) Ethyl Benzene	11.599	91	410877	49.395	ug/l	98
68) m/p-Xylenes	11.703	106	314736	99.623	ug/l	95
69) o-Xylene	12.032	106	158045	50.217	ug/l	97
70) Styrene	12.044	104	276690	50.796	ug/l	97
71) Bromoform	12.209	173	71796	51.414	ug/l #	99
73) Isopropylbenzene	12.331	105	422943	49.759	ug/l	99
74) N-amyl acetate	12.148	43	139958	45.606	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.587	83	112951	51.022	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	80928m	50.393	ug/l	
77) Bromobenzene	12.611	156	105324	50.835	ug/l	97
78) n-propylbenzene	12.672	91	495497	49.091	ug/l	100
79) 2-Chlorotoluene	12.758	91	291477	50.059	ug/l	100
80) 1,3,5-Trimethylbenzene	12.819	105	350148	49.419	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	31799	43.492	ug/l	98
82) 4-Chlorotoluene	12.855	91	299131	49.726	ug/l	99
83) tert-Butylbenzene	13.075	119	327981	50.609	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	352765	49.826	ug/l	98
85) sec-Butylbenzene	13.257	105	474438	49.964	ug/l	100
86) p-Isopropyltoluene	13.373	119	388634	49.365	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	205028	49.892	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	201738	48.945	ug/l	99
89) n-Butylbenzene	13.696	91	345906	46.600	ug/l	97
90) Hexachloroethane	13.965	117	77380	49.545	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	195683	50.973	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	22490	52.444	ug/l	89
93) 1,2,4-Trichlorobenzene	15.007	180	114569	46.486	ug/l	99
94) Hexachlorobutadiene	15.111	225	64993	48.480	ug/l	97
95) Naphthalene	15.239	128	311099	50.672	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	109373	49.138	ug/l	99

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

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