

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082223\
 Data File : VY015263.D
 Acq On : 22 Aug 2023 23:04
 Operator : SY/MD
 Sample : VY0822SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0822SBS02

Quant Time: Aug 23 02:49:41 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 08/23/2023
 Supervised By :Mahesh Dadoda 08/23/2023

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	161130	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.691	114	268730	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	246115	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	123430	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	95628	49.440	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.880%		
35) Dibromofluoromethane	7.722	113	84380	48.808	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.620%		
50) Toluene-d8	10.179	98	316750	49.218	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.440%		
62) 4-Bromofluorobenzene	12.483	95	109752	46.691	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	93.380%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	14577	17.896	ug/l	88
3) Chloromethane	2.107	50	19933	18.293	ug/l	100
4) Vinyl Chloride	2.247	62	23913	18.651	ug/l	99
5) Bromomethane	2.650	94	19745	19.881	ug/l	99
6) Chloroethane	2.784	64	17491	18.790	ug/l	98
7) Trichlorofluoromethane	3.119	101	42243	19.553	ug/l	96
8) Diethyl Ether	3.534	74	16701	19.711	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.887	101	26175	19.494	ug/l	94
10) Methyl Iodide	4.088	142	18468	14.007	ug/l	97
11) Tert butyl alcohol	5.003	59	33539m	95.295	ug/l	
12) 1,1-Dichloroethene	3.869	96	20927	18.665	ug/l	90
13) Acrolein	3.735	56	15415	90.151	ug/l	99
14) Allyl chloride	4.479	41	37670	18.950	ug/l	97
15) Acrylonitrile	5.174	53	56105	97.709	ug/l	98
16) Acetone	3.973	43	46637	73.807	ug/l	95
17) Carbon Disulfide	4.192	76	30449	15.431	ug/l #	92
18) Methyl Acetate	4.485	43	46557	20.106	ug/l	95
19) Methyl tert-butyl Ether	5.222	73	93856	19.687	ug/l	99
20) Methylene Chloride	4.716	84	43061	26.382	ug/l	98
21) trans-1,2-Dichloroethene	5.222	96	24225	19.155	ug/l	87
22) Diisopropyl ether	6.125	45	100806	20.323	ug/l	94
23) Vinyl Acetate	6.064	43	269344	91.003	ug/l #	94
24) 1,1-Dichloroethane	6.015	63	54694	20.367	ug/l	97
25) 2-Butanone	6.996	43	75333	84.202	ug/l	94
26) 2,2-Dichloropropane	6.978	77	42592	16.452	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	34116	19.748	ug/l	96
28) Bromochloromethane	7.338	49	27656	22.416	ug/l	97
29) Tetrahydrofuran	7.356	42	49369	92.285	ug/l	94
30) Chloroform	7.509	83	61890	20.559	ug/l	98
31) Cyclohexane	7.783	56	33832	17.945	ug/l #	85
32) 1,1,1-Trichloroethane	7.710	97	50241	19.612	ug/l	99
36) 1,1-Dichloropropene	7.917	75	35807	18.721	ug/l	100
37) Ethyl Acetate	7.088	43	35766	20.062	ug/l	98
38) Carbon Tetrachloride	7.899	117	41520	18.343	ug/l	96
39) Methylcyclohexane	9.185	83	37042	17.276	ug/l	94
40) Benzene	8.167	78	113680	19.659	ug/l	100

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41) Methacrylonitrile	7.307	41	19005m	20.673	ug/l	
42) 1,2-Dichloroethane	8.240	62	42125	20.059	ug/l	95
43) Isopropyl Acetate	8.277	43	60617	18.671	ug/l	97
44) Trichloroethene	8.941	130	32768	19.669	ug/l	98
45) 1,2-Dichloropropane	9.216	63	32345	19.836	ug/l	96
46) Dibromomethane	9.307	93	20304	19.743	ug/l	97
47) Bromodichloromethane	9.496	83	48908	19.929	ug/l	96
48) Methyl methacrylate	9.295	41	26058	18.763	ug/l	94
49) 1,4-Dioxane	9.325	88	6831m	332.165	ug/l	
51) 4-Methyl-2-Pentanone	10.075	43	180616	95.991	ug/l	96
52) Toluene	10.246	92	74999	19.678	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	46810	18.150	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	51276	18.878	ug/l	94
55) 1,1,2-Trichloroethane	10.648	97	31165	19.930	ug/l	97
56) Ethyl methacrylate	10.514	69	42279	18.474	ug/l	92
57) 1,3-Dichloropropane	10.788	76	50970	19.951	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	104317	97.948	ug/l	95
59) 2-Hexanone	10.831	43	127253	91.379	ug/l	95
60) Dibromochloromethane	10.984	129	36120	19.364	ug/l	99
61) 1,2-Dibromoethane	11.093	107	28813	19.396	ug/l	98
64) Tetrachloroethene	10.715	164	36589	21.339	ug/l	91
65) Chlorobenzene	11.514	112	87870	19.595	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	35062	19.270	ug/l	98
67) Ethyl Benzene	11.593	91	148504	18.901	ug/l	100
68) m/p-Xylenes	11.703	106	112627	37.743	ug/l	96
69) o-Xylene	12.032	106	57662	19.397	ug/l	96
70) Styrene	12.044	104	99673	19.373	ug/l	97
71) Bromoform	12.209	173	23486	17.806	ug/l #	100
73) Isopropylbenzene	12.331	105	152868	19.260	ug/l	100
74) N-amyl acetate	12.142	43	50849	17.744	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.581	83	39277	19.001	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	31499m	21.005	ug/l	
77) Bromobenzene	12.611	156	37978	19.630	ug/l	98
78) n-propylbenzene	12.672	91	182575	19.371	ug/l	100
79) 2-Chlorotoluene	12.758	91	104050	19.137	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	125744	19.006	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.374	75	10487	15.361	ug/l	94
82) 4-Chlorotoluene	12.855	91	109273	19.453	ug/l	100
83) tert-Butylbenzene	13.075	119	114036	18.844	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	126466	19.129	ug/l	99
85) sec-Butylbenzene	13.251	105	170475	19.227	ug/l	100
86) p-Isopropyltoluene	13.367	119	140332	19.089	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	74570	19.433	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	75164	19.529	ug/l	98
89) n-Butylbenzene	13.696	91	129315	18.657	ug/l	98
90) Hexachloroethane	13.959	117	26859	18.417	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	69403	19.361	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	7407	18.497	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	43298	18.814	ug/l	98
94) Hexachlorobutadiene	15.111	225	23570	18.828	ug/l	96
95) Naphthalene	15.233	128	104484	18.225	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	40447	19.461	ug/l	98

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

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