

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101123\
 Data File : VY015915.D
 Acq On : 11 Oct 2023 11:21
 Operator : SY/MD
 Sample : VY1011SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1011SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/12/2023
 Supervised By : Mahesh Dadoda 10/12/2023

Quant Time: Oct 12 01:54:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100923S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 10 07:06:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	188379	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	309533	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	277828	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	139273	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	79129	46.683	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.360%		
35) Dibromofluoromethane	7.722	113	82100	47.553	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.100%		
50) Toluene-d8	10.185	98	276299	48.558	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.120%		
62) 4-Bromofluorobenzene	12.483	95	106121	45.917	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	91.840%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	14616	19.398	ug/l	96
3) Chloromethane	2.119	50	13342	17.311	ug/l	96
4) Vinyl Chloride	2.253	62	16541	16.828	ug/l	96
5) Bromomethane	2.644	94	14477	17.961	ug/l	98
6) Chloroethane	2.790	64	13648	17.682	ug/l	100
7) Trichlorofluoromethane	3.125	101	41091	19.701	ug/l	97
8) Diethyl Ether	3.534	74	16921	19.176	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.900	101	29151	20.594	ug/l	92
10) Methyl Iodide	4.095	142	19386	15.279	ug/l	95
11) Tert butyl alcohol	4.966	59	21855	57.290	ug/l #	82
12) 1,1-Dichloroethene	3.869	96	20100	18.461	ug/l	85
13) Acrolein	3.729	56	9123	88.060	ug/l	98
14) Allyl chloride	4.479	41	36394	18.129	ug/l	93
15) Acrylonitrile	5.168	53	55937	92.187	ug/l	97
16) Acetone	3.948	43	65957	84.948	ug/l #	85
17) Carbon Disulfide	4.198	76	20692	14.747	ug/l	96
18) Methyl Acetate	4.479	43	38477	16.744	ug/l	93
19) Methyl tert-butyl Ether	5.229	73	95888	19.434	ug/l	98
20) Methylene Chloride	4.716	84	50453	23.664	ug/l	90
21) trans-1,2-Dichloroethene	5.222	96	22494	17.804	ug/l	96
22) Diisopropyl ether	6.125	45	108125	20.137	ug/l	91
23) Vinyl Acetate	6.064	43	286223	96.940	ug/l #	93
24) 1,1-Dichloroethane	6.021	63	58787	19.876	ug/l	96
25) 2-Butanone	6.990	43	85985	92.474	ug/l	99
26) 2,2-Dichloropropane	6.984	77	52150	18.959	ug/l	96
27) cis-1,2-Dichloroethene	6.990	96	36039	19.327	ug/l	95
28) Bromochloromethane	7.338	49	33410	19.599	ug/l	93
29) Tetrahydrofuran	7.350	42	43486	85.490	ug/l	92
30) Chloroform	7.509	83	66797	20.247	ug/l	97
31) Cyclohexane	7.789	56	32172	17.722	ug/l #	78
32) 1,1,1-Trichloroethane	7.704	97	53311	19.787	ug/l	98
36) 1,1-Dichloropropene	7.923	75	35894	18.772	ug/l	98
37) Ethyl Acetate	7.082	43	30244	18.417	ug/l #	95
38) Carbon Tetrachloride	7.905	117	44265	19.276	ug/l	99
39) Methylcyclohexane	9.185	83	35438	18.246	ug/l	93
40) Benzene	8.167	78	116718	19.423	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	19160m	18.758	ug/l	
42) 1,2-Dichloroethane	8.240	62	40182	19.616	ug/l	94
43) Isopropyl Acetate	8.277	43	56989	18.747	ug/l	95
44) Trichloroethene	8.941	130	34381	19.772	ug/l	98
45) 1,2-Dichloropropane	9.222	63	36837	20.380	ug/l	100
46) Dibromomethane	9.307	93	21015	19.538	ug/l	96
47) Bromodichloromethane	9.496	83	52934	19.788	ug/l	96
48) Methyl methacrylate	9.295	41	24644	18.357	ug/l	87
49) 1,4-Dioxane	9.301	88	6475	346.300	ug/l #	56
51) 4-Methyl-2-Pentanone	10.075	43	168722	92.771	ug/l	92
52) Toluene	10.246	92	78734	19.739	ug/l	94
53) t-1,3-Dichloropropene	10.472	75	52540	19.428	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	57933	19.721	ug/l #	88
55) 1,1,2-Trichloroethane	10.648	97	34991	20.431	ug/l	92
56) Ethyl methacrylate	10.514	69	43270	18.609	ug/l #	86
57) 1,3-Dichloropropane	10.795	76	55226	20.000	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	135821	95.837	ug/l	94
59) 2-Hexanone	10.837	43	129880	94.394	ug/l	89
60) Dibromochloromethane	10.990	129	41155	20.044	ug/l	98
61) 1,2-Dibromoethane	11.093	107	30379	19.421	ug/l	98
64) Tetrachloroethene	10.721	164	35248	19.441	ug/l	96
65) Chlorobenzene	11.520	112	97066	20.030	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	40431	20.412	ug/l	98
67) Ethyl Benzene	11.593	91	165291	19.881	ug/l	98
68) m/p-Xylenes	11.703	106	124665	39.794	ug/l	96
69) o-Xylene	12.032	106	63230	20.173	ug/l	98
70) Styrene	12.044	104	111339	20.359	ug/l	95
71) Bromoform	12.209	173	27102	19.649	ug/l #	99
73) Isopropylbenzene	12.331	105	175465	19.972	ug/l	100
74) N-amyl acetate	12.148	43	52101	18.818	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	43893	19.268	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	29088m	17.891	ug/l	
77) Bromobenzene	12.611	156	43068	19.992	ug/l	99
78) n-propylbenzene	12.672	91	211327	20.002	ug/l	100
79) 2-Chlorotoluene	12.758	91	121400	20.172	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	144263	19.923	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.380	75	13178	17.974	ug/l	92
82) 4-Chlorotoluene	12.855	91	126052	20.099	ug/l	99
83) tert-Butylbenzene	13.075	119	136684	20.226	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	146149	20.043	ug/l	98
85) sec-Butylbenzene	13.258	105	202326	20.416	ug/l	99
86) p-Isopropyltoluene	13.373	119	165582	20.197	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	85219	19.649	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	87295	19.987	ug/l	99
89) n-Butylbenzene	13.697	91	156292	20.145	ug/l	96
90) Hexachloroethane	13.965	117	33095	20.115	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	81294	20.165	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	7038	17.592	ug/l	88
93) 1,2,4-Trichlorobenzene	15.007	180	50762	19.647	ug/l	99
94) Hexachlorobutadiene	15.111	225	26754	19.337	ug/l	99
95) Naphthalene	15.239	128	107629	18.007	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	44977	19.570	ug/l	98

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

