

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110323\
 Data File : VY016219.D
 Acq On : 03 Nov 2023 18:47
 Operator : SY/MD
 Sample : VY1103SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1103SBS02

Quant Time: Nov 03 23:06:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 01 03:33:29 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/06/2023
 Supervised By : Mahesh Dadoda 11/06/2023

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	159741	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	260165	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.501	117	226827	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	107139	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.154	65	80650	53.956	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.920%			
35) Dibromofluoromethane	7.734	113	77720	50.109	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.220%			
50) Toluene-d8	10.191	98	312373	50.796	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.600%			
62) 4-Bromofluorobenzene	12.489	95	104208	49.557	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.120%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	18996	18.642	ug/l	95
3) Chloromethane	2.119	50	24899	17.649	ug/l	100
4) Vinyl Chloride	2.259	62	28375	19.487	ug/l	94
5) Bromomethane	2.655	94	19819	20.168	ug/l	93
6) Chloroethane	2.802	64	20041	19.550	ug/l	92
7) Trichlorofluoromethane	3.137	101	46108	20.975	ug/l	99
8) Diethyl Ether	3.539	74	16114	22.117	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.917	101	28945	20.901	ug/l	96
10) Methyl Iodide	4.106	142	29957	19.453	ug/l	97
11) Tert butyl alcohol	4.972	59	14300	128.044	ug/l #	79
12) 1,1-Dichloroethene	3.887	96	25178	19.919	ug/l	92
13) Acrolein	3.747	56	11332	105.582	ug/l	97
14) Allyl chloride	4.503	41	40245	22.260	ug/l	96
15) Acrylonitrile	5.185	53	37038	118.966	ug/l	97
16) Acetone	3.966	43	26918	101.478	ug/l	91
17) Carbon Disulfide	4.210	76	57315	18.162	ug/l	100
18) Methyl Acetate	4.497	43	31041	25.823	ug/l	93
19) Methyl tert-butyl Ether	5.240	73	81491	22.665	ug/l	99
20) Methylene Chloride	4.734	84	35856	21.871	ug/l	88
21) trans-1,2-Dichloroethene	5.240	96	29849	20.273	ug/l	98
22) Diisopropyl ether	6.143	45	97337	22.259	ug/l	88
23) Vinyl Acetate	6.082	43	232107	108.104	ug/l #	94
24) 1,1-Dichloroethane	6.039	63	56243	21.490	ug/l #	96
25) 2-Butanone	7.002	43	45686	110.784	ug/l	95
26) 2,2-Dichloropropane	6.996	77	51089	20.650	ug/l	97
27) cis-1,2-Dichloroethene	7.008	96	37286	21.519	ug/l	92
28) Bromochloromethane	7.356	49	20737	21.174	ug/l	89
29) Tetrahydrofuran	7.368	42	30216	116.886	ug/l	90
30) Chloroform	7.520	83	65332	22.928	ug/l	98
31) Cyclohexane	7.801	56	45466	19.787	ug/l	89
32) 1,1,1-Trichloroethane	7.722	97	54940	21.024	ug/l	98
36) 1,1-Dichloropropene	7.935	75	45278	20.216	ug/l	98
37) Ethyl Acetate	7.094	43	22694	22.750	ug/l	98
38) Carbon Tetrachloride	7.917	117	47904	21.589	ug/l	99
39) Methylcyclohexane	9.197	83	51337	19.203	ug/l	93
40) Benzene	8.179	78	129437	20.131	ug/l	98

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41) Methacrylonitrile	7.325	41	13098m	22.621	ug/l	
42) 1,2-Dichloroethane	8.252	62	37828	21.082	ug/l	91
43) Isopropyl Acetate	8.289	43	43123	21.854	ug/l #	92
44) Trichloroethene	8.953	130	38422	20.419	ug/l	96
45) 1,2-Dichloropropane	9.234	63	33087	21.391	ug/l	100
46) Dibromomethane	9.319	93	18728	21.344	ug/l	97
47) Bromodichloromethane	9.508	83	49736	22.309	ug/l	99
48) Methyl methacrylate	9.307	41	19056	21.238	ug/l	89
49) 1,4-Dioxane	9.313	88	4539	360.606	ug/l #	57
51) 4-Methyl-2-Pentanone	10.081	43	112549	114.314	ug/l	93
52) Toluene	10.258	92	86767	20.825	ug/l	94
53) t-1,3-Dichloropropene	10.477	75	47927	21.535	ug/l	99
54) cis-1,3-Dichloropropene	9.941	75	54898	21.022	ug/l	91
55) 1,1,2-Trichloroethane	10.654	97	27138	21.987	ug/l	94
56) Ethyl methacrylate	10.520	69	34577	21.571	ug/l #	88
57) 1,3-Dichloropropane	10.800	76	45006	21.419	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.794	63	84524	108.745	ug/l	93
59) 2-Hexanone	10.843	43	77130	114.321	ug/l	91
60) Dibromochloromethane	10.995	129	34013	21.966	ug/l	100
61) 1,2-Dibromoethane	11.099	107	25330	21.576	ug/l	100
64) Tetrachloroethene	10.733	164	39406	19.531	ug/l	98
65) Chlorobenzene	11.526	112	93109	20.661	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.599	131	35248	21.117	ug/l	98
67) Ethyl Benzene	11.605	91	164490	20.407	ug/l	97
68) m/p-Xylenes	11.715	106	126255	40.535	ug/l	95
69) o-Xylene	12.038	106	59653	20.059	ug/l	99
70) Styrene	12.056	104	102717	20.777	ug/l	96
71) Bromoform	12.221	173	20318	21.942	ug/l #	100
73) Isopropylbenzene	12.337	105	161685	20.118	ug/l	99
74) N-amyl acetate	12.154	43	36051	20.643	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.593	83	28435	22.235	ug/l	98
76) 1,2,3-Trichloropropane	12.641	75	21108m	20.921	ug/l	
77) Bromobenzene	12.617	156	38050	20.909	ug/l	96
78) n-propylbenzene	12.678	91	194693	20.491	ug/l	100
79) 2-Chlorotoluene	12.763	91	108584	20.490	ug/l	98
80) 1,3,5-Trimethylbenzene	12.824	105	131376	20.177	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.392	75	9800	21.060	ug/l	96
82) 4-Chlorotoluene	12.861	91	111942	20.571	ug/l	98
83) tert-Butylbenzene	13.087	119	121224	20.808	ug/l	97
84) 1,2,4-Trimethylbenzene	13.129	105	131566	20.421	ug/l	98
85) sec-Butylbenzene	13.263	105	175935	20.575	ug/l	100
86) p-Isopropyltoluene	13.379	119	145542	20.537	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	74585	20.724	ug/l	98
88) 1,4-Dichlorobenzene	13.452	146	73832	20.756	ug/l	97
89) n-Butylbenzene	13.702	91	133920	20.566	ug/l	96
90) Hexachloroethane	13.970	117	27168	22.246	ug/l	91
91) 1,2-Dichlorobenzene	13.745	146	65829	21.170	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4893	21.379	ug/l	99
93) 1,2,4-Trichlorobenzene	15.013	180	37585	19.583	ug/l	97
94) Hexachlorobutadiene	15.117	225	22268	21.232	ug/l	98
95) Naphthalene	15.245	128	70420	18.886	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	32460	19.798	ug/l	98

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

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