

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042023\
 Data File : VY013363.D
 Acq On : 20 Apr 2023 12:17
 Operator : KP/MD
 Sample : VY0420SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0420SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/21/2023
 Supervised By :Mahesh Dadoda 04/22/2023

Quant Time: Apr 21 02:13:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 05:55:16 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	259125	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	198363	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	275093	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	115760	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	128865	41.381	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 82.760%			
35) Dibromofluoromethane	7.716	113	83575	65.080	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 130.160%			
50) Toluene-d8	10.179	98	254596	53.263	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.520%			
62) 4-Bromofluorobenzene	12.477	95	91194	58.718	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 117.440%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	34786	14.916	ug/l	100
3) Chloromethane	2.113	50	45576	15.599	ug/l	97
4) Vinyl Chloride	2.253	62	48243	17.415	ug/l	98
5) Bromomethane	2.650	94	34367	16.178	ug/l	90
6) Chloroethane	2.790	64	31541	16.883	ug/l	94
7) Trichlorofluoromethane	3.125	101	95799	22.219	ug/l	93
8) Diethyl Ether	3.527	74	26438	16.877	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.905	101	32877	12.976	ug/l #	86
10) Methyl Iodide	4.088	142	42279	13.604	ug/l #	88
11) Tert butyl alcohol	4.991	59	15471m	Below Cal		
12) 1,1-Dichloroethene	3.863	96	34375	14.098	ug/l	89
13) Acrolein	3.729	56	24993	65.333	ug/l	97
14) Allyl chloride	4.478	41	26849	5.764	ug/l #	48
15) Acrylonitrile	5.167	53	29935	33.256	ug/l #	94
16) Acetone	3.954	43	54298	50.712	ug/l	94
17) Carbon Disulfide	4.192	76	83359	10.384	ug/l	99
18) Methyl Acetate	4.478	43	20585	5.944	ug/l #	88
19) Methyl tert-butyl Ether	5.222	73	79548	10.891	ug/l #	88
20) Methylene Chloride	4.704	84	28942	6.518	ug/l #	81
21) trans-1,2-Dichloroethene	5.222	96	24260	8.716	ug/l	92
22) Diisopropyl ether	6.112	45	53957	5.878	ug/l #	70
23) Vinyl Acetate	6.057	43	191247	32.957	ug/l #	92
24) 1,1-Dichloroethane	6.021	63	41295	8.053	ug/l	99
25) 2-Butanone	6.990	43	55105	40.195	ug/l #	85
26) 2,2-Dichloropropane	6.978	77	62112	13.501	ug/l	94
27) cis-1,2-Dichloroethene	6.984	96	36590	12.089	ug/l	94
28) Bromochloromethane	7.332	49	12185	5.963	ug/l #	37
29) Tetrahydrofuran	7.356	42	23920	28.728	ug/l #	67
30) Chloroform	7.502	83	61231	11.800	ug/l	96
31) Cyclohexane	7.783	56	86369	18.343	ug/l #	89
32) 1,1,1-Trichloroethane	7.697	97	72136	15.367	ug/l	98
36) 1,1-Dichloropropene	7.917	75	66253	34.055	ug/l	97
37) Ethyl Acetate	7.069	43	22294	14.216	ug/l	96
38) Carbon Tetrachloride	7.899	117	87436	40.645	ug/l	99
39) Methylcyclohexane	9.185	83	44226	19.555	ug/l #	86
40) Benzene	8.161	78	186538	33.129	ug/l	100

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	13021m	20.014	ug/l	
42) 1,2-Dichloroethane	8.234	62	60677	31.783	ug/l	95
43) Isopropyl Acetate	8.270	43	47162	18.106	ug/l #	92
44) Trichloroethene	8.941	130	32420	22.351	ug/l	90
45) 1,2-Dichloropropane	9.215	63	22294	15.255	ug/l	100
46) Dibromomethane	9.307	93	23045	26.200	ug/l	89
47) Bromodichloromethane	9.496	83	49637	24.686	ug/l #	96
48) Methyl methacrylate	9.295	41	25477	21.294	ug/l #	82
49) 1,4-Dioxane	9.307	88	6452	541.405	ug/l #	59
51) 4-Methyl-2-Pentanone	10.069	43	131736	92.929	ug/l	97
52) Toluene	10.240	92	82910	24.385	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	83840	39.814	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	69100	29.927	ug/l	92
55) 1,1,2-Trichloroethane	10.642	97	36368	31.358	ug/l	95
56) Ethyl methacrylate	10.508	69	59142	37.244	ug/l	96
57) 1,3-Dichloropropane	10.794	76	53587	27.167	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	115207	173.754	ug/l	93
59) 2-Hexanone	10.831	43	146934	142.550	ug/l	98
60) Dibromochloromethane	10.983	129	39030	26.840	ug/l	99
61) 1,2-Dibromoethane	11.087	107	26026	23.046	ug/l	97
64) Tetrachloroethene	10.721	164	36563	18.840	ug/l	97
65) Chlorobenzene	11.514	112	124574	21.647	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.587	131	44753	20.723	ug/l	97
67) Ethyl Benzene	11.593	91	182683	18.227	ug/l	99
68) m/p-Xylenes	11.703	106	131364	34.256	ug/l	98
69) o-Xylene	12.026	106	57879	16.297	ug/l	99
70) Styrene	12.044	104	99470	16.582	ug/l	95
71) Bromoform	12.209	173	30766	20.564	ug/l #	98
73) Isopropylbenzene	12.331	105	174430	21.968	ug/l	99
74) N-amyl acetate	12.142	43	40247	14.207	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.581	83	26803	13.664	ug/l #	98
76) 1,2,3-Trichloropropane	12.636	75	22813m	15.815	ug/l	
77) Bromobenzene	12.605	156	41586	20.943	ug/l	78
78) n-propylbenzene	12.672	91	176182	17.966	ug/l	94
79) 2-Chlorotoluene	12.757	91	99892	18.096	ug/l	94
80) 1,3,5-Trimethylbenzene	12.812	105	145420	21.864	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	10775	15.504	ug/l #	79
82) 4-Chlorotoluene	12.855	91	112413	19.316	ug/l	98
83) tert-Butylbenzene	13.074	119	132194	23.164	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	143507	22.170	ug/l	98
85) sec-Butylbenzene	13.251	105	200555	23.499	ug/l	96
86) p-Isopropyltoluene	13.367	119	157665	22.513	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	86037	22.478	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	89002	23.010	ug/l	99
89) n-Butylbenzene	13.696	91	211876	31.632	ug/l	98
90) Hexachloroethane	13.958	117	42339	28.995	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	116944	33.576	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	9434	26.484	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	54524	26.339	ug/l	98
94) Hexachlorobutadiene	15.111	225	33499	27.328	ug/l	99
95) Naphthalene	15.233	128	100979	21.823	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	46827	24.829	ug/l	98

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

