

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011923\
 Data File : VY012255.D
 Acq On : 19 Jan 2023 11:06
 Operator : KP/MD
 Sample : VY0119SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0119SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 01/20/2023
 Supervised By :Mahesh Dadoda 01/20/2023

Quant Time: Jan 20 03:22:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	207364	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	315859	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	287284	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	150657	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	80986	46.871	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.740%		
35) Dibromofluoromethane	7.722	113	76642	45.826	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.660%		
50) Toluene-d8	10.179	98	279784	48.119	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.240%		
62) 4-Bromofluorobenzene	12.483	95	106156	45.026	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	90.060%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	37617	20.758	ug/l	97
3) Chloromethane	2.113	50	32923	19.680	ug/l	97
4) Vinyl Chloride	2.253	62	38874	19.908	ug/l	98
5) Bromomethane	2.650	94	31123	20.616	ug/l	98
6) Chloroethane	2.790	64	25211	19.797	ug/l	98
7) Trichlorofluoromethane	3.125	101	75400	19.785	ug/l	99
8) Diethyl Ether	3.527	74	22054	19.448	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.899	101	37427	20.179	ug/l	95
10) Methyl Iodide	4.088	142	45843	16.264	ug/l	97
11) Tert butyl alcohol	4.954	59	27087	126.726	ug/l #	95
12) 1,1-Dichloroethene	3.875	96	38275	20.097	ug/l	94
13) Acrolein	3.735	56	11186	130.880	ug/l	99
14) Allyl chloride	4.478	41	47631	20.227	ug/l #	89
15) Acrylonitrile	5.161	53	51539	104.049	ug/l	100
16) Acetone	3.948	43	54242	93.939	ug/l	98
17) Carbon Disulfide	4.192	76	117748	19.988	ug/l	98
18) Methyl Acetate	4.472	43	25521	19.752	ug/l #	88
19) Methyl tert-butyl Ether	5.222	73	104425	19.669	ug/l	94
20) Methylene Chloride	4.716	84	50640	15.457	ug/l	86
21) trans-1,2-Dichloroethene	5.222	96	43309	20.378	ug/l	90
22) Diisopropyl ether	6.118	45	97026	20.667	ug/l #	92
23) Vinyl Acetate	6.064	43	297208	101.594	ug/l #	91
24) 1,1-Dichloroethane	6.021	63	66122	20.306	ug/l	96
25) 2-Butanone	6.984	43	65536	102.808	ug/l #	86
26) 2,2-Dichloropropane	6.984	77	70154	19.846	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	46607	19.965	ug/l	94
28) Bromochloromethane	7.332	49	14336	20.158	ug/l #	77
29) Tetrahydrofuran	7.350	42	36630	104.612	ug/l #	84
30) Chloroform	7.508	83	76440	19.886	ug/l	96
31) Cyclohexane	7.789	56	60443	19.992	ug/l	87
32) 1,1,1-Trichloroethane	7.704	97	74420	19.556	ug/l	98
36) 1,1-Dichloropropene	7.917	75	56748	19.965	ug/l	98
37) Ethyl Acetate	7.076	43	26112	20.839	ug/l #	95
38) Carbon Tetrachloride	7.899	117	70511	19.208	ug/l	97
39) Methylcyclohexane	9.185	83	69875	20.116	ug/l	94
40) Benzene	8.161	78	163989	19.989	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	15358m	20.852	ug/l	
42) 1,2-Dichloroethane	8.240	62	50772	19.440	ug/l	100
43) Isopropyl Acetate	8.270	43	46810	20.079	ug/l #	92
44) Trichloroethene	8.941	130	49690	20.264	ug/l	93
45) 1,2-Dichloropropane	9.215	63	35053	20.477	ug/l	97
46) Dibromomethane	9.307	93	23030	20.096	ug/l	96
47) Bromodichloromethane	9.496	83	57097	19.793	ug/l	98
48) Methyl methacrylate	9.295	41	21077	19.622	ug/l	89
49) 1,4-Dioxane	9.301	88	6751	432.323	ug/l	91
51) 4-Methyl-2-Pentanone	10.069	43	128254	103.173	ug/l	93
52) Toluene	10.246	92	110218	20.178	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	59327	19.661	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	64609	19.882	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	33079	20.316	ug/l	97
56) Ethyl methacrylate	10.508	69	43371	20.304	ug/l	92
57) 1,3-Dichloropropane	10.788	76	54493	20.493	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	74450	105.334	ug/l	90
59) 2-Hexanone	10.831	43	96426	101.883	ug/l	92
60) Dibromochloromethane	10.983	129	43545	20.164	ug/l	99
61) 1,2-Dibromoethane	11.087	107	32102	20.432	ug/l	99
64) Tetrachloroethene	10.721	164	56565	21.578	ug/l	96
65) Chlorobenzene	11.514	112	117788	20.039	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	46078	20.768	ug/l	97
67) Ethyl Benzene	11.593	91	208999	19.895	ug/l	100
68) m/p-Xylenes	11.703	106	169209	40.738	ug/l	97
69) o-Xylene	12.032	106	78145	19.697	ug/l	97
70) Styrene	12.044	104	133574	20.151	ug/l	99
71) Bromoform	12.209	173	29281	20.657	ug/l #	99
73) Isopropylbenzene	12.331	105	211720	19.489	ug/l	99
74) N-amyl acetate	12.142	43	40944	19.226	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	33736	19.715	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	30069m	21.705	ug/l	
77) Bromobenzene	12.611	156	51129	19.559	ug/l	92
78) n-propylbenzene	12.672	91	248813	19.572	ug/l	99
79) 2-Chlorotoluene	12.757	91	140547	19.554	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	185785	19.672	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	13442	19.992	ug/l	95
82) 4-Chlorotoluene	12.855	91	144815	19.181	ug/l	96
83) tert-Butylbenzene	13.074	119	156413	19.003	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	183022	19.651	ug/l	99
85) sec-Butylbenzene	13.251	105	228939	19.536	ug/l	98
86) p-Isopropyltoluene	13.367	119	199135	19.449	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	100967	19.420	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	101124	19.503	ug/l	100
89) n-Butylbenzene	13.696	91	172725	19.466	ug/l	98
90) Hexachloroethane	13.958	117	36229	19.600	ug/l	94
91) 1,2-Dichlorobenzene	13.739	146	91462	19.715	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	7081	20.024	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	57531	19.354	ug/l	98
94) Hexachlorobutadiene	15.111	225	34953	19.530	ug/l	99
95) Naphthalene	15.239	128	112060	19.100	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	49654	19.412	ug/l	99

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

