

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102219\
 Data File : VY000369.D
 Acq On : 22 Oct 2019 17:16
 Operator : SY/MD
 Sample : K5494-02MS
 Misc : 5.39G/5ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP1-2FTMS

Manual Integrations
 APPROVED

MMDadoda
 10/24/2019 4:34:14 PM

Quant Time: Oct 23 08:41:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 17 02:03:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	21705	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	34364	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	27928	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	12774	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	12746	55.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.34%	
35) Dibromofluoromethane	7.74	113	7985	38.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.04%	
50) Toluene-d8	10.19	98	39826	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
62) 4-Bromofluorobenzene	12.48	95	12964	42.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	7898	45.693	ug/l	87
3) Chloromethane	2.11	50	11650	43.924	ug/l	98
4) Vinyl Chloride	2.26	62	12817	47.883	ug/l	93
5) Bromomethane	2.66	94	5200	26.213	ug/l	85
6) Chloroethane	2.80	64	8447	48.909	ug/l	98
7) Trichlorofluoromethane	3.13	101	17762	48.511	ug/l	93
8) Diethyl Ether	3.54	74	6966	53.854	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	11035	49.696	ug/l #	72
10) Methyl Iodide	4.11	142	11903	37.927	ug/l #	96
11) Tert butyl alcohol	4.97	59	6272	261.767	ug/l	98
12) 1,1-Dichloroethene	3.88	96	10394	47.415	ug/l #	93
13) Acrolein	3.73	56	3784	134.706	ug/l	92
14) Allyl chloride	4.49	41	17515	48.214	ug/l	98
15) Acrylonitrile	5.19	53	18889	260.902	ug/l	98
16) Acetone	3.96	43	20882	281.637	ug/l	93
17) Carbon Disulfide	4.20	76	27160	39.351	ug/l	100
18) Methyl Acetate	4.49	43	18180	98.686	ug/l	96
19) Methyl tert-butyl Ether	5.23	73	32193	52.754	ug/l	91
20) Methylene Chloride	4.72	84	12748	51.155	ug/l #	80
21) trans-1,2-Dichloroethene	5.24	96	11667	46.389	ug/l	89
22) Diisopropyl ether	6.13	45	36707	47.774	ug/l #	83
23) Vinyl Acetate	6.08	43	9152	18.258	ug/l	100
24) 1,1-Dichloroethane	6.02	63	21934	52.300	ug/l	99
25) 2-Butanone	7.00	43	25487	244.019	ug/l	96
26) 2,2-Dichloropropane	6.99	77	17876	46.257	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	13000	47.768	ug/l	99
28) Bromochloromethane	7.35	49	8403	46.673	ug/l	88
29) Tetrahydrofuran	7.36	42	16743	264.508	ug/l	96
30) Chloroform	7.52	83	21847	51.727	ug/l	92
31) Cyclohexane	7.80	56	19376	44.234	ug/l	99
32) 1,1,1-Trichloroethane	7.71	97	18648	49.663	ug/l	96
36) 1,1-Dichloropropene	7.94	75	16736	49.744	ug/l	98
37) Ethyl Acetate	7.09	43	8139	40.855	ug/l #	90
38) Carbon Tetrachloride	7.91	117	16075	49.346	ug/l #	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	18564	42.158	ug/l	93
40) Benzene	8.17	78	48021	49.390	ug/l	98
41) Methacrylonitrile	7.33	41	5815m	61.322	ug/l	
42) 1,2-Dichloroethane	8.25	62	14731	53.040	ug/l	99
43) Isopropyl Acetate	8.28	43	17558	46.353	ug/l	93
44) Trichloroethene	8.95	130	15082	55.284	ug/l	97
45) 1,2-Dichloropropane	9.22	63	12630	52.933	ug/l	96
46) Dibromomethane	9.31	93	6505	48.769	ug/l	97
47) Bromodichloromethane	9.50	83	15131	48.135	ug/l #	98
48) Methyl methacrylate	9.30	41	9112	54.889	ug/l	98
49) 1,4-Dioxane	9.30	88	2519	1259.550	ug/l #	89
51) 4-Methyl-2-Pentanone	10.08	43	48859	250.083	ug/l	99
52) Toluene	10.25	92	29261	47.402	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	13204	39.194	ug/l	96
54) cis-1,3-Dichloropropene	9.94	75	15814	41.335	ug/l	98
55) 1,1,2-Trichloroethane	10.65	97	9891	51.001	ug/l	94
56) Ethyl methacrylate	10.52	69	9782	35.387	ug/l	98
57) 1,3-Dichloropropane	10.80	76	16927	50.822	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	27725	251.455	ug/l	97
59) 2-Hexanone	10.84	43	28644	208.876	ug/l	98
60) Dibromochloromethane	10.99	129	10593	49.280	ug/l	90
61) 1,2-Dibromoethane	11.09	107	8531	45.814	ug/l	100
64) Tetrachloroethene	10.72	164	15556	58.508	ug/l	98
65) Chlorobenzene	11.52	112	29653	50.310	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.59	131	11626	56.152	ug/l	97
67) Ethyl Benzene	11.59	91	53161	48.654	ug/l	97
68) m/p-Xylenes	11.70	106	41580	99.547	ug/l	96
69) o-Xylene	12.03	106	20235	50.782	ug/l	93
70) Styrene	12.05	104	28236	42.017	ug/l	99
71) Bromoform	12.20	173	5463	45.899	ug/l #	97
73) Isopropylbenzene	12.33	105	51271	51.475	ug/l	96
74) N-amyl acetate	12.14	43	5682	23.237	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.58	83	8348	44.639	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	8591m	54.693	ug/l	
77) Bromobenzene	12.61	156	11112	50.135	ug/l	98
78) n-propylbenzene	12.67	91	56568	47.302	ug/l	98
79) 2-Chlorotoluene	12.76	91	32111	48.620	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	42635	51.048	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.38	75	1622	22.593	ug/l	95
82) 4-Chlorotoluene	12.86	91	31633	45.311	ug/l	97
83) tert-Butylbenzene	13.08	119	35969	50.855	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	40498	49.130	ug/l	97
85) sec-Butylbenzene	13.25	105	48730	47.626	ug/l	96
86) p-Isopropyltoluene	13.37	119	41562	46.594	ug/l	97
87) 1,3-Dichlorobenzene	13.36	146	19742	45.208	ug/l	96
88) 1,4-Dichlorobenzene	13.45	146	19465	44.595	ug/l	97
89) n-Butylbenzene	13.70	91	36185	41.050	ug/l	98
90) Hexachloroethane	13.96	117	6237	37.760	ug/l	96
91) 1,2-Dichlorobenzene	13.74	146	18510	46.837	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.35	75	1251	35.271	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	8581	31.186	ug/l	97
94) Hexachlorobutadiene	15.11	225	5803	38.971	ug/l	88
95) Naphthalene	15.23	128	19012	30.962	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	7518	30.317	ug/l	96

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

