

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122419\
 Data File : VY001041.D
 Acq On : 24 Dec 2019 12:42
 Operator : SY/MD
 Sample : K6396-04MS
 Misc : 6.30G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-2-(4-5)MS

Quant Time: Dec 25 01:35:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 12:07:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	1511	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.69	114	1951	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	1454	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.43	152	297	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	547	36.70	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	73.40%	
35) Dibromofluoromethane	7.73	113	171	14.88	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	29.76%	
50) Toluene-d8	10.17	98	2733	60.87	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	121.74%	
62) 4-Bromofluorobenzene	12.47	95	512	31.19	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	62.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	503	38.203	ug/l	97
3) Chloromethane	2.12	50	1081	60.325	ug/l #	77
4) Vinyl Chloride	2.25	62	741	42.580	ug/l #	43
5) Bromomethane	2.68	94	323	28.365	ug/l	81
6) Chloroethane	2.79	64	199	18.360	ug/l #	40
7) Trichlorofluoromethane	3.14	101	873	34.202	ug/l	97
8) Diethyl Ether	3.53	74	397	38.103	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.90	101	529	31.551	ug/l #	70
10) Methyl Iodide	4.08	142	341	14.720	ug/l #	84
11) Tert butyl alcohol	4.92	59	18	10.985	ug/l #	74
12) 1,1-Dichloroethene	3.87	96	983	57.909	ug/l #	45
13) Acrolein	3.75	56	23	11.329	ug/l #	1
14) Allyl chloride	4.48	41	289	10.959	ug/l #	23
15) Acrylonitrile	5.18	53	244	46.858	ug/l #	64
16) Acetone	3.97	43	933	271.760	ug/l #	35
17) Carbon Disulfide	4.21	76	1769	31.892	ug/l #	76
18) Methyl Acetate	4.48	43	240	18.221	ug/l #	49
19) Methyl tert-butyl Ether	5.24	73	372	8.491	ug/l #	52
20) Methylene Chloride	4.72	84	792	39.193	ug/l #	63
21) trans-1,2-Dichloroethene	5.22	96	641	34.073	ug/l	92
22) Diisopropyl ether	6.11	45	2135	40.055	ug/l #	84
23) Vinyl Acetate	6.13	43	915	27.182	ug/l #	69
24) 1,1-Dichloroethane	6.03	63	964	30.604	ug/l #	81
25) 2-Butanone	7.02	43	163	27.026	ug/l #	47
26) 2,2-Dichloropropane	6.99	77	96	3.710	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	891	43.110	ug/l #	6
28) Bromochloromethane	7.35	49	140	11.391	ug/l #	14
29) Tetrahydrofuran	7.34	42	358	83.447	ug/l #	48
30) Chloroform	7.50	83	979	32.869	ug/l	90
31) Cyclohexane	7.80	56	1038	31.339	ug/l	87
32) 1,1,1-Trichloroethane	7.72	97	344	13.539	ug/l #	42
36) 1,1-Dichloropropene	7.93	75	901	48.409	ug/l #	45
37) Ethyl Acetate	7.08	43	70	6.792	ug/l #	66
38) Carbon Tetrachloride	7.91	117	349	21.402	ug/l #	26

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	1180	47.741	ug/l	98
40) Benzene	8.16	78	2808	50.008	ug/l	93
41) Methacrylonitrile	7.32	41	137	30.662	ug/l #	100
42) 1,2-Dichloroethane	8.24	62	376	28.008	ug/l #	70
43) Isopropyl Acetate	8.27	43	23	1.206	ug/l #	50
44) Trichloroethene	8.94	130	827	55.899	ug/l	77
45) 1,2-Dichloropropane	9.23	63	415	29.461	ug/l #	43
46) Dibromomethane	9.31	93	244	33.602	ug/l #	88
47) Bromodichloromethane	9.50	83	376	22.354	ug/l #	91
48) Methyl methacrylate	9.28	41	35	4.299	ug/l #	9
49) 1,4-Dioxane	9.30	88	20	188.285	ug/l #	1
51) 4-Methyl-2-Pentanone	10.07	43	1230	123.697	ug/l	91
52) Toluene	10.24	92	1550	44.849	ug/l #	69
53) t-1,3-Dichloropropene	10.47	75	21	1.150	ug/l #	42
54) cis-1,3-Dichloropropene	9.94	75	166	7.563	ug/l #	40
55) 1,1,2-Trichloroethane	10.64	97	210	19.372	ug/l #	59
56) Ethyl methacrylate	10.50	69	244	15.815	ug/l #	59
57) 1,3-Dichloropropane	10.79	76	461	24.262	ug/l #	51
58) 2-Chloroethyl Vinyl ether	9.63	63	19	3.188	ug/l #	46
59) 2-Hexanone	10.83	43	628	91.273	ug/l	63
60) Dibromochloromethane	10.99	129	41	3.541	ug/l #	10
61) 1,2-Dibromoethane	11.08	107	60	5.788	ug/l #	1
64) Tetrachloroethene	10.72	164	1088	86.483	ug/l #	49
65) Chlorobenzene	11.52	112	1224	40.583	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.58	131	132	13.262	ug/l #	17
67) Ethyl Benzene	11.59	91	2593	47.798	ug/l #	72
68) m/p-Xylenes	11.70	106	1960	95.155	ug/l #	69
69) o-Xylene	12.03	106	654	33.750	ug/l	38
70) Styrene	12.03	104	769	23.339	ug/l #	73
71) Bromoform	12.21	173	45	8.120	ug/l #	28
73) Isopropylbenzene	12.33	105	1868	81.277	ug/l	97
74) N-amyl acetate	12.14	43	175	28.983	ug/l #	50
75) 1,1,2,2-Tetrachloroethane	12.58	83	84	18.552	ug/l #	25
76) 1,2,3-Trichloropropane	12.63	75	112	30.589	ug/l #	100
77) Bromobenzene	12.61	156	297	57.458	ug/l	86
78) n-propylbenzene	12.67	91	2014	71.916	ug/l	96
79) 2-Chlorotoluene	12.75	91	1063	68.733	ug/l	92
80) 1,3,5-Trimethylbenzene	12.81	105	1331	70.651	ug/l	89
81) trans-1,4-Dichloro-2-buten	12.48	75	244	142.130	ug/l #	19
82) 4-Chlorotoluene	12.84	91	1081	67.294	ug/l	74
83) tert-Butylbenzene	13.06	119	1177	74.427	ug/l	88
84) 1,2,4-Trimethylbenzene	13.12	105	1000	52.823	ug/l	98
85) sec-Butylbenzene	13.25	105	1373	58.892	ug/l	87
86) p-Isopropyltoluene	13.36	119	1025	50.810	ug/l	92
87) 1,3-Dichlorobenzene	13.45	146	451	45.429	ug/l	79
88) 1,4-Dichlorobenzene	13.45	146	451	45.034	ug/l	79
89) n-Butylbenzene	13.70	91	580	28.576	ug/l	71
91) 1,2-Dichlorobenzene	13.74	146	526	57.438	ug/l #	63
92) 1,2-Dibromo-3-Chloropropan	14.36	75	43	56.764	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.00	180	61	9.869	ug/l #	46

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.24	128	207	14.240	ug/l #	70

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

