

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102319\
 Data File : VY000384.D
 Acq On : 23 Oct 2019 16:23
 Operator : SY/MD
 Sample : K5494-03MSD
 Misc : 6.,40G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP1-2FTMSD

Manual Integrations
 APPROVED

MMDadoda
 10/24/2019 4:30:39 PM

Quant Time: Oct 24 05:07:41 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	10013	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	15170	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	12922	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	4761	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	6166	58.38	ug/l	0.00
Spiked Amount			Recovery	=	116.76%	
35) Dibromofluoromethane	7.72	113	2080	22.73	ug/l	0.00
Spiked Amount			Recovery	=	45.46%	
50) Toluene-d8	10.18	98	17841	50.68	ug/l	0.00
Spiked Amount			Recovery	=	101.36%	
62) 4-Bromofluorobenzene	12.49	95	5198	38.87	ug/l	0.00
Spiked Amount			Recovery	=	77.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	3639	45.630	ug/l	97
3) Chloromethane	2.11	50	10172	83.135	ug/l	89
4) Vinyl Chloride	2.26	62	5441	44.062	ug/l #	83
5) Bromomethane	2.66	94	876	9.572	ug/l	81
6) Chloroethane	2.79	64	3460	43.427	ug/l	94
7) Trichlorofluoromethane	3.14	101	8843	52.353	ug/l	99
8) Diethyl Ether	3.54	74	3436	57.582	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.91	101	5166	50.431	ug/l #	67
10) Methyl Iodide	4.10	142	2606	18.623	ug/l	93
11) Tert butyl alcohol	4.96	59	3511	317.641	ug/l #	73
12) 1,1-Dichloroethene	3.88	96	5803	57.382	ug/l	90
13) Acrolein	3.74	56	1652	127.480	ug/l #	62
14) Allyl chloride	4.49	41	7211	43.028	ug/l	94
15) Acrylonitrile	5.18	53	9446	282.821	ug/l	97
16) Acetone	3.95	43	10399	304.022	ug/l #	82
17) Carbon Disulfide	4.19	76	12309	38.658	ug/l	96
18) Methyl Acetate	4.48	43	6504	76.531	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	17116	60.798	ug/l	94
20) Methylene Chloride	4.73	84	5629	48.702	ug/l	91
21) trans-1,2-Dichloroethene	5.23	96	5394	46.490	ug/l #	73
22) Diisopropyl ether	6.13	45	17438	49.197	ug/l #	76
23) Vinyl Acetate	6.13	43	9226	39.898	ug/l #	71
24) 1,1-Dichloroethane	6.02	63	10527	54.410	ug/l #	87
25) 2-Butanone	7.00	43	12298	255.232	ug/l	97
26) 2,2-Dichloropropane	6.99	77	4060	22.773	ug/l	89
27) cis-1,2-Dichloroethene	7.00	96	6097	48.563	ug/l	98
28) Bromochloromethane	7.34	49	4826	58.106	ug/l	98
29) Tetrahydrofuran	7.37	42	8233	281.941	ug/l #	89
30) Chloroform	7.52	83	9979	51.216	ug/l	96
31) Cyclohexane	7.80	56	9120	45.132	ug/l #	82
32) 1,1,1-Trichloroethane	7.71	97	8338	48.135	ug/l	95
36) 1,1-Dichloropropene	7.93	75	7290	49.083	ug/l	97
37) Ethyl Acetate	7.09	43	2699	30.690	ug/l #	72
38) Carbon Tetrachloride	7.91	117	7239	50.339	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	9049	46.551	ug/l	86
40) Benzene	8.17	78	22998	53.581	ug/l	92
41) Methacrylonitrile	7.33	41	2719	64.952	ug/l #	1
42) 1,2-Dichloroethane	8.25	62	7351	59.957	ug/l	100
43) Isopropyl Acetate	8.28	43	5852	34.996	ug/l	94
44) Trichloroethene	8.95	130	8097	67.233	ug/l	97
45) 1,2-Dichloropropane	9.22	63	5899	56.004	ug/l #	84
46) Dibromomethane	9.32	93	3320	56.384	ug/l	93
47) Bromodichloromethane	9.49	83	6189	44.600	ug/l #	72
48) Methyl methacrylate	9.30	41	2903	39.613	ug/l	94
49) 1,4-Dioxane	9.30	88	1045	1183.645	ug/l #	76
51) 4-Methyl-2-Pentanone	10.08	43	18821	218.223	ug/l	98
52) Toluene	10.25	92	12669	46.490	ug/l	92
53) t-1,3-Dichloropropene	10.47	75	4038	27.152	ug/l	95
54) cis-1,3-Dichloropropene	9.93	75	7089	41.974	ug/l #	84
55) 1,1,2-Trichloroethane	10.64	97	4708	54.992	ug/l #	81
56) Ethyl methacrylate	10.51	69	3051	25.002	ug/l	96
57) 1,3-Dichloropropane	10.79	76	8192	55.716	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.78	63	1615	33.180	ug/l #	85
59) 2-Hexanone	10.84	43	10098	166.805	ug/l	91
60) Dibromochloromethane	10.99	129	3654	38.507	ug/l	95
61) 1,2-Dibromoethane	11.09	107	4257	51.787	ug/l	87
64) Tetrachloroethene	10.72	164	10009	81.361	ug/l	88
65) Chlorobenzene	11.52	112	13293	48.744	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.60	131	4329	45.189	ug/l	88
67) Ethyl Benzene	11.59	91	24235	47.938	ug/l	99
68) m/p-Xylenes	11.70	106	17488	90.489	ug/l	97
69) o-Xylene	12.03	106	8745	47.433	ug/l	93
70) Styrene	12.04	104	11928	38.362	ug/l	97
71) Bromoform	12.21	173	2034	36.934	ug/l #	88
73) Isopropylbenzene	12.33	105	22992	61.934	ug/l	96
74) N-amyl acetate	12.15	43	614	6.737	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.58	83	1537	22.051	ug/l	94
76) 1,2,3-Trichloropropane	12.63	75	4622m	78.949	ug/l	
77) Bromobenzene	12.61	156	5079	61.483	ug/l	83
78) n-propylbenzene	12.67	91	23865	53.543	ug/l	93
79) 2-Chlorotoluene	12.76	91	14314	58.150	ug/l	89
80) 1,3,5-Trimethylbenzene	12.81	105	19481	62.582	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	211	7.886	ug/l #	5
82) 4-Chlorotoluene	12.86	91	13335	51.249	ug/l	94
83) tert-Butylbenzene	13.08	119	17296	65.612	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	18117	58.969	ug/l	97
85) sec-Butylbenzene	13.25	105	22444	58.855	ug/l	98
86) p-Isopropyltoluene	13.37	119	18056	54.310	ug/l	98
87) 1,3-Dichlorobenzene	13.36	146	9141	56.163	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	7736	47.553	ug/l	90
89) n-Butylbenzene	13.69	91	14971	45.568	ug/l	93
90) Hexachloroethane	13.95	117	1295	21.035	ug/l	62
91) 1,2-Dichlorobenzene	13.74	146	8728	59.255	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	140	10.591	ug/l #	42

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	3414	33.290	ug/l	96
94) Hexachlorobutadiene	15.11	225	2420	43.605	ug/l	84
95) Naphthalene	15.23	128	7793	34.052	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	3231	34.958	ug/l	91

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

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