

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102219\
 Data File : VY000370.D
 Acq On : 22 Oct 2019 17:38
 Operator : SY/MD
 Sample : K5494-03MSD
 Misc : 6.62G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP1-2FTMSD

Manual Integrations
 APPROVED

MMDadoda
 10/24/2019 4:34:18 PM

Quant Time: Oct 23 08:47:26 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	8058	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	12254	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	10312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	4499	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	4374	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
35) Dibromofluoromethane	7.73	113	1348	18.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.48%	
50) Toluene-d8	10.18	98	13852	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
62) 4-Bromofluorobenzene	12.49	95	4058	37.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	2744	42.455	ug/l	92
3) Chloromethane	2.12	50	4397	44.655	ug/l	98
4) Vinyl Chloride	2.26	62	4666	46.954	ug/l	93
5) Bromomethane	2.66	94	1752	23.789	ug/l	91
6) Chloroethane	2.80	64	2803	43.716	ug/l #	85
7) Trichlorofluoromethane	3.13	101	7062	51.952	ug/l	87
8) Diethyl Ether	3.54	74	2835	59.037	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	4003	48.558	ug/l #	92
10) Methyl Iodide	4.11	142	4884	41.794	ug/l #	91
11) Tert butyl alcohol	4.97	59	3041m	341.868	ug/l	
12) 1,1-Dichloroethene	3.89	96	4682	57.530	ug/l #	65
13) Acrolein	3.74	56	1629	156.203	ug/l	97
14) Allyl chloride	4.49	41	5714	42.368	ug/l	96
15) Acrylonitrile	5.19	53	8223m	305.936	ug/l	
16) Acetone	3.96	43	9495	344.942	ug/l	89
17) Carbon Disulfide	4.20	76	9314	36.349	ug/l	97
18) Methyl Acetate	4.49	43	5274	77.114	ug/l #	67
19) Methyl tert-butyl Ether	5.22	73	12369	54.596	ug/l #	89
20) Methylene Chloride	4.72	84	4714	50.928	ug/l	97
21) trans-1,2-Dichloroethene	5.24	96	4758	50.958	ug/l #	78
22) Diisopropyl ether	6.14	45	14164	49.655	ug/l #	91
23) Vinyl Acetate	6.13	43	8120	43.634	ug/l #	71
24) 1,1-Dichloroethane	6.02	63	8319	53.430	ug/l #	87
25) 2-Butanone	7.00	43	9699	250.129	ug/l	98
26) 2,2-Dichloropropane	6.99	77	1935m	13.487	ug/l	
27) cis-1,2-Dichloroethene	6.99	96	5054	50.022	ug/l	76
28) Bromochloromethane	7.35	49	3466	51.856	ug/l #	90
29) Tetrahydrofuran	7.36	42	7305	310.855	ug/l	92
30) Chloroform	7.52	83	7212	45.995	ug/l	95
31) Cyclohexane	7.80	56	7351	45.204	ug/l #	80
32) 1,1,1-Trichloroethane	7.71	97	6800	48.780	ug/l	93
36) 1,1-Dichloropropene	7.93	75	5802	48.360	ug/l	96
37) Ethyl Acetate	7.10	43	1675	23.579	ug/l #	70
38) Carbon Tetrachloride	7.91	117	4797	41.295	ug/l #	74

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	7103	45.235	ug/l	95
40) Benzene	8.18	78	17796	51.328	ug/l #	89
41) Methacrylonitrile	7.32	41	2497	73.843	ug/l #	13
42) 1,2-Dichloroethane	8.25	62	5755	58.109	ug/l	92
43) Isopropyl Acetate	8.28	43	3980	29.465	ug/l #	59
44) Trichloroethene	8.95	130	6952	71.462	ug/l	84
45) 1,2-Dichloropropane	9.22	63	4644	54.581	ug/l	94
46) Dibromomethane	9.32	93	2302	48.398	ug/l	92
47) Bromodichloromethane	9.50	83	4566	40.734	ug/l #	94
48) Methyl methacrylate	9.30	41	2065	34.884	ug/l	95
49) 1,4-Dioxane	9.30	88	1052	1475.125	ug/l #	87
51) 4-Methyl-2-Pentanone	10.08	43	17915	257.147	ug/l	99
52) Toluene	10.25	92	11178	50.780	ug/l	92
53) t-1,3-Dichloropropene	10.47	75	1651	13.743	ug/l #	69
54) cis-1,3-Dichloropropene	9.93	75	3178	23.295	ug/l #	90
55) 1,1,2-Trichloroethane	10.64	97	3990	57.695	ug/l #	78
56) Ethyl methacrylate	10.52	69	2086	21.162	ug/l #	85
57) 1,3-Dichloropropane	10.80	76	5814	48.953	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.80	63	3236	82.305	ug/l	94
59) 2-Hexanone	10.83	43	9634	197.010	ug/l	100
60) Dibromochloromethane	10.99	129	2513	32.785	ug/l	89
61) 1,2-Dibromoethane	11.10	107	2710	40.812	ug/l	97
64) Tetrachloroethene	10.72	164	7566	77.069	ug/l	86
65) Chlorobenzene	11.52	112	11157	51.266	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	3178	41.570	ug/l	95
67) Ethyl Benzene	11.60	91	18447	45.725	ug/l	89
68) m/p-Xylenes	11.71	106	14504	94.043	ug/l	95
69) o-Xylene	12.03	106	6935	47.136	ug/l	94
70) Styrene	12.05	104	9436	38.029	ug/l	93
71) Bromoform	12.20	173	1087	24.734	ug/l #	97
73) Isopropylbenzene	12.33	105	17646	50.302	ug/l	93
74) N-amyl acetate	12.14	43	420	4.877	ug/l #	78
75) 1,1,2,2-Tetrachloroethane	12.59	83	1105	16.777	ug/l #	73
76) 1,2,3-Trichloropropane	12.64	75	2506m	45.298	ug/l	
77) Bromobenzene	12.61	156	3897	49.922	ug/l	87
78) n-propylbenzene	12.67	91	18251	43.332	ug/l	94
79) 2-Chlorotoluene	12.75	91	11689	50.252	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	14371	48.855	ug/l	99
82) 4-Chlorotoluene	12.86	91	10474	42.598	ug/l	90
83) tert-Butylbenzene	13.08	119	12470	50.059	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	13146	45.281	ug/l	100
85) sec-Butylbenzene	13.25	105	16149	44.813	ug/l	97
86) p-Isopropyltoluene	13.37	119	13956	44.422	ug/l	97
87) 1,3-Dichlorobenzene	13.37	146	6464	42.028	ug/l	94
88) 1,4-Dichlorobenzene	13.45	146	6526	42.451	ug/l	97
89) n-Butylbenzene	13.70	91	10733	34.571	ug/l	97
90) Hexachloroethane	13.96	117	941	16.175	ug/l	88
91) 1,2-Dichlorobenzene	13.74	146	5977	42.942	ug/l	92
93) 1,2,4-Trichlorobenzene	15.01	180	3097	31.958	ug/l	84
94) Hexachlorobutadiene	15.11	225	1555	29.651	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.23	128	7225	33.408	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	2357	26.987	ug/l	94

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

