

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112119\
 Data File : VY000765.D
 Acq On : 21 Nov 2019 14:14
 Operator : SY/MD
 Sample : VY1121SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1121SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/23/2019 6:11:09 AM

Quant Time: Nov 22 03:52:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	338796	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	594102	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	532117	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	250322	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	169994	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
35) Dibromofluoromethane	7.72	113	159952	45.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.72%	
50) Toluene-d8	10.18	98	674269	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	
62) 4-Bromofluorobenzene	12.48	95	239223	47.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	60130	18.030	ug/l	97
3) Chloromethane	2.12	50	81166	17.667	ug/l	93
4) Vinyl Chloride	2.25	62	78616	18.427	ug/l	97
5) Bromomethane	2.64	94	49868	19.492	ug/l	95
6) Chloroethane	2.79	64	52432	19.636	ug/l	96
7) Trichlorofluoromethane	3.13	101	119452	20.732	ug/l	96
8) Diethyl Ether	3.53	74	44983	21.972	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.91	101	75120	21.566	ug/l	94
10) Methyl Iodide	4.09	142	84684	20.488	ug/l	96
11) Tert butyl alcohol	4.97	59	33281	97.513	ug/l #	85
12) 1,1-Dichloroethene	3.88	96	73266	21.649	ug/l	93
13) Acrolein	3.74	56	24460	82.277	ug/l	96
14) Allyl chloride	4.48	41	127328	23.138	ug/l	93
15) Acrylonitrile	5.17	53	119199	113.659	ug/l	99
16) Acetone	3.96	43	83577	86.490	ug/l	96
17) Carbon Disulfide	4.19	76	219921	20.604	ug/l	98
18) Methyl Acetate	4.48	43	64665	21.522	ug/l	97
19) Methyl tert-butyl Ether	5.22	73	205413	21.831	ug/l	98
20) Methylene Chloride	4.72	84	90534	21.865	ug/l	95
21) trans-1,2-Dichloroethene	5.22	96	83723	21.883	ug/l	94
22) Diisopropyl ether	6.13	45	266408	22.273	ug/l	95
23) Vinyl Acetate	6.07	43	820527	108.675	ug/l	96
24) 1,1-Dichloroethane	6.03	63	145537	22.461	ug/l	98
25) 2-Butanone	7.00	43	149613	97.014	ug/l	97
26) 2,2-Dichloropropane	6.99	77	124426	21.012	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	92113	22.018	ug/l	99
28) Bromochloromethane	7.35	49	36331	15.380	ug/l	93
29) Tetrahydrofuran	7.36	42	102143	108.265	ug/l	97
30) Chloroform	7.52	83	146505	22.350	ug/l	98
31) Cyclohexane	7.79	56	146009	21.514	ug/l #	92
32) 1,1,1-Trichloroethane	7.71	97	120414	20.612	ug/l	98
36) 1,1-Dichloropropene	7.93	75	113389	20.189	ug/l	100
37) Ethyl Acetate	7.08	43	66302	19.884	ug/l	95
38) Carbon Tetrachloride	7.91	117	103301	19.115	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	148018	20.400	ug/l	98
40) Benzene	8.17	78	342461	20.798	ug/l	100
41) Methacrylonitrile	7.32	41	37053m	19.919	ug/l	
42) 1,2-Dichloroethane	8.25	62	90951	19.475	ug/l	97
43) Isopropyl Acetate	8.28	43	124476	19.872	ug/l	97
44) Trichloroethene	8.94	130	91234	21.015	ug/l	92
45) 1,2-Dichloropropane	9.22	63	87892	21.688	ug/l	94
46) Dibromomethane	9.31	93	44312	19.882	ug/l	99
47) Bromodichloromethane	9.50	83	106356	20.111	ug/l	96
48) Methyl methacrylate	9.30	41	53989	19.727	ug/l	95
49) 1,4-Dioxane	9.30	88	11573	385.823	ug/l #	87
51) 4-Methyl-2-Pentanone	10.07	43	329446	98.924	ug/l	94
52) Toluene	10.24	92	208580	20.036	ug/l	97
53) t-1,3-Dichloropropene	10.47	75	115648	20.466	ug/l	95
54) cis-1,3-Dichloropropene	9.93	75	134976	20.851	ug/l	94
55) 1,1,2-Trichloroethane	10.64	97	66997	20.783	ug/l	96
56) Ethyl methacrylate	10.51	69	98026	21.455	ug/l	91
57) 1,3-Dichloropropane	10.79	76	116990	20.735	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	220733	106.863	ug/l	98
59) 2-Hexanone	10.83	43	226333	93.278	ug/l	96
60) Dibromochloromethane	10.98	129	70872	19.194	ug/l	100
61) 1,2-Dibromoethane	11.09	107	64504	20.811	ug/l	100
64) Tetrachloroethene	10.72	164	92004	20.910	ug/l	97
65) Chlorobenzene	11.52	112	221407	20.522	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.59	131	74759	19.980	ug/l	98
67) Ethyl Benzene	11.59	91	413309	20.816	ug/l	100
68) m/p-Xylenes	11.70	106	310334	40.382	ug/l	97
69) o-Xylene	12.03	106	146806	20.326	ug/l	97
70) Styrene	12.04	104	249666	20.187	ug/l	99
71) Bromoform	12.20	173	40653	18.890	ug/l #	97
73) Isopropylbenzene	12.33	105	398246	21.526	ug/l	100
74) N-amyl acetate	12.14	43	105411	19.894	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.58	83	75668	20.656	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	53412m	18.739	ug/l	
77) Bromobenzene	12.60	156	88921	21.195	ug/l	96
78) n-propylbenzene	12.67	91	491267	22.008	ug/l	99
79) 2-Chlorotoluene	12.75	91	265810	21.449	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	330437	21.445	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	28032	22.051	ug/l	97
82) 4-Chlorotoluene	12.85	91	275452	21.443	ug/l	98
83) tert-Butylbenzene	13.07	119	276761	21.037	ug/l	98
84) 1,2,4-Trimethylbenzene	13.11	105	347466	22.649	ug/l	98
85) sec-Butylbenzene	13.25	105	409486	21.846	ug/l	99
86) p-Isopropyltoluene	13.36	119	350793	20.999	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	168758	20.536	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	173256	21.099	ug/l	99
89) n-Butylbenzene	13.69	91	359941	21.846	ug/l	100
90) Hexachloroethane	13.95	117	63232	20.474	ug/l	95
91) 1,2-Dichlorobenzene	13.74	146	156281	20.961	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	13174	20.321	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	106206	20.920	ug/l	99
94) Hexachlorobutadiene	15.11	225	54153	20.693	ug/l	98
95) Naphthalene	15.23	128	250399	22.219	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	95153	20.892	ug/l	100

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

