

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102919\
 Data File : VY000466.D
 Acq On : 29 Oct 2019 12:00
 Operator : SY/MD
 Sample : VY1029SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1029SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/30/2019 10:59:52 AM

Quant Time: Oct 30 06:55:23 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	193389	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	318540	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	289318	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	149781	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	111484	54.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.30%	
35) Dibromofluoromethane	7.74	113	102075	53.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.24%	
50) Toluene-d8	10.18	98	395219	53.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.94%	
62) 4-Bromofluorobenzene	12.48	95	141423	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	37665	22.237	ug/l	94
3) Chloromethane	2.12	50	56976	24.110	ug/l	98
4) Vinyl Chloride	2.26	62	51467	21.580	ug/l	99
5) Bromomethane	2.64	94	32580	18.433	ug/l	98
6) Chloroethane	2.79	64	33865	22.007	ug/l	98
7) Trichlorofluoromethane	3.13	101	72239	22.143	ug/l	95
8) Diethyl Ether	3.54	74	27891	24.201	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.91	101	43672	22.074	ug/l	99
10) Methyl Iodide	4.10	142	49401	18.300	ug/l	97
11) Tert butyl alcohol	4.96	59	22064	103.353	ug/l #	87
12) 1,1-Dichloroethene	3.88	96	44293	22.677	ug/l	98
13) Acrolein	3.74	56	18371	73.400	ug/l	99
14) Allyl chloride	4.49	41	73337	22.658	ug/l	97
15) Acrylonitrile	5.18	53	70726	109.641	ug/l	95
16) Acetone	3.96	43	68909	104.309	ug/l	95
17) Carbon Disulfide	4.20	76	123766	20.126	ug/l	98
18) Methyl Acetate	4.49	43	39290	23.937	ug/l	99
19) Methyl tert-butyl Ether	5.24	73	125763	23.130	ug/l	99
20) Methylene Chloride	4.72	84	55704	21.979	ug/l	94
21) trans-1,2-Dichloroethene	5.23	96	49651	22.157	ug/l	88
22) Diisopropyl ether	6.13	45	160356	23.424	ug/l	97
23) Vinyl Acetate	6.07	43	497616	111.420	ug/l	100
24) 1,1-Dichloroethane	6.03	63	85093	22.772	ug/l	98
25) 2-Butanone	7.00	43	105406	113.266	ug/l	93
26) 2,2-Dichloropropane	6.99	77	80023	23.241	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	56462	23.285	ug/l	98
28) Bromochloromethane	7.34	49	33627	20.963	ug/l	99
29) Tetrahydrofuran	7.36	42	62766	111.290	ug/l	98
30) Chloroform	7.52	83	88229	23.446	ug/l	97
31) Cyclohexane	7.80	56	81430	20.864	ug/l	88
32) 1,1,1-Trichloroethane	7.72	97	76832	22.965	ug/l	99
36) 1,1-Dichloropropene	7.92	75	68488	21.960	ug/l	99
37) Ethyl Acetate	7.09	43	41228	22.326	ug/l	100
38) Carbon Tetrachloride	7.91	117	66417	21.995	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	85918	21.049	ug/l	87
40) Benzene	8.17	78	205053	22.752	ug/l	98
41) Methacrylonitrile	7.33	41	20306m	23.101	ug/l	
42) 1,2-Dichloroethane	8.25	62	57699	22.412	ug/l	100
43) Isopropyl Acetate	8.28	43	78221	22.277	ug/l	99
44) Trichloroethene	8.95	130	54273	21.462	ug/l	99
45) 1,2-Dichloropropane	9.22	63	50250	22.719	ug/l	99
46) Dibromomethane	9.31	93	27394	22.156	ug/l	98
47) Bromodichloromethane	9.50	83	66196	22.718	ug/l	98
48) Methyl methacrylate	9.30	41	34722	22.564	ug/l	98
49) 1,4-Dioxane	9.31	88	6859	369.988	ug/l #	92
51) 4-Methyl-2-Pentanone	10.08	43	212579	117.381	ug/l	100
52) Toluene	10.25	92	128576	22.470	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	71299	22.832	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	81503	22.982	ug/l	95
55) 1,1,2-Trichloroethane	10.65	97	41205	22.921	ug/l	92
56) Ethyl methacrylate	10.51	69	57678	22.510	ug/l	97
57) 1,3-Dichloropropane	10.80	76	72710	23.551	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	134503	131.602	ug/l	98
59) 2-Hexanone	10.83	43	158724	124.864	ug/l	97
60) Dibromochloromethane	10.99	129	46643	23.409	ug/l	99
61) 1,2-Dibromoethane	11.09	107	39963	23.152	ug/l	100
64) Tetrachloroethene	10.72	164	57264	20.790	ug/l	94
65) Chlorobenzene	11.52	112	137520	22.523	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	50696	23.636	ug/l	98
67) Ethyl Benzene	11.59	91	253148	22.365	ug/l	97
68) m/p-Xylenes	11.70	106	195297	45.134	ug/l	97
69) o-Xylene	12.03	106	90437	21.909	ug/l	98
70) Styrene	12.04	104	156457	22.474	ug/l	97
71) Bromoform	12.21	173	27863	22.598	ug/l #	100
73) Isopropylbenzene	12.33	105	241507	20.679	ug/l	99
74) N-amyl acetate	12.14	43	70061	24.436	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	48352	22.050	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	35809m	19.442	ug/l	
77) Bromobenzene	12.61	156	56745	21.835	ug/l	93
78) n-propylbenzene	12.67	91	295158	21.049	ug/l	100
79) 2-Chlorotoluene	12.75	91	166018	21.438	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	201859	20.612	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	15612	18.546	ug/l	94
82) 4-Chlorotoluene	12.85	91	170667	20.849	ug/l	98
83) tert-Butylbenzene	13.07	119	174099	20.993	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	203543	21.059	ug/l	99
85) sec-Butylbenzene	13.25	105	250755	20.901	ug/l	97
86) p-Isopropyltoluene	13.37	119	224155	21.431	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	112250	21.922	ug/l	97
88) 1,4-Dichlorobenzene	13.44	146	110601	21.610	ug/l	100
89) n-Butylbenzene	13.69	91	218079	21.099	ug/l	99
90) Hexachloroethane	13.96	117	40379	20.849	ug/l	98
91) 1,2-Dichlorobenzene	13.73	146	101355	21.873	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	9445	22.711	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	72737	22.545	ug/l	96
94) Hexachlorobutadiene	15.11	225	35731	20.465	ug/l	96
95) Naphthalene	15.23	128	159182	22.109	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	64097	22.044	ug/l	98

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

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