

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121819\
 Data File : VY000993.D
 Acq On : 18 Dec 2019 12:42
 Operator : SY/MD
 Sample : VY1218SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1218SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/19/2019 11:10:44 AM

Quant Time: Dec 19 07:34:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	276985	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	482194	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	432300	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	202572	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	138965	47.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.44%	
35) Dibromofluoromethane	7.72	113	136021	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
50) Toluene-d8	10.17	98	563566	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
62) 4-Bromofluorobenzene	12.48	95	193853	45.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	51529	17.282	ug/l	96
3) Chloromethane	2.12	50	65244	17.752	ug/l	95
4) Vinyl Chloride	2.25	62	65081	17.967	ug/l	99
5) Bromomethane	2.64	94	42066	17.762	ug/l	94
6) Chloroethane	2.79	64	40901	18.417	ug/l	100
7) Trichlorofluoromethane	3.13	101	92311	18.595	ug/l	91
8) Diethyl Ether	3.53	74	37672	20.163	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.90	101	59760	19.494	ug/l	99
10) Methyl Iodide	4.09	142	71349	18.486	ug/l	98
11) Tert butyl alcohol	4.96	59	30033	101.426	ug/l	98
12) 1,1-Dichloroethene	3.87	96	58682	19.322	ug/l	91
13) Acrolein	3.74	56	25987	89.092	ug/l	92
14) Allyl chloride	4.48	41	97395	18.703	ug/l	97
15) Acrylonitrile	5.17	53	97919	101.492	ug/l	99
16) Acetone	3.95	43	67747	100.341	ug/l	97
17) Carbon Disulfide	4.19	76	175035	17.820	ug/l	98
18) Methyl Acetate	4.49	43	52823	18.711	ug/l	98
19) Methyl tert-butyl Ether	5.22	73	155463	19.168	ug/l	98
20) Methylene Chloride	4.72	84	74572	20.953	ug/l	96
21) trans-1,2-Dichloroethene	5.22	96	67199	19.467	ug/l	88
22) Diisopropyl ether	6.13	45	209261	19.552	ug/l	95
23) Vinyl Acetate	6.07	43	640696	98.468	ug/l	99
24) 1,1-Dichloroethane	6.02	63	114598	19.427	ug/l	99
25) 2-Butanone	6.99	43	119695	95.970	ug/l	97
26) 2,2-Dichloropropane	6.99	77	94965	19.127	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	74969	20.092	ug/l	97
28) Bromochloromethane	7.33	49	28004	14.441	ug/l	95
29) Tetrahydrofuran	7.36	42	81266	98.329	ug/l	98
30) Chloroform	7.52	83	109317	18.473	ug/l	96
31) Cyclohexane	7.78	56	116382	18.624	ug/l	92
32) 1,1,1-Trichloroethane	7.71	97	94255	19.289	ug/l	97
36) 1,1-Dichloropropene	7.92	75	90580	18.893	ug/l	100
37) Ethyl Acetate	7.08	43	53171	19.207	ug/l	100
38) Carbon Tetrachloride	7.91	117	80856	18.937	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	118255	18.617	ug/l	96
40) Benzene	8.16	78	273918	19.614	ug/l	97
41) Methacrylonitrile	7.32	41	26495m	18.159	ug/l	
42) 1,2-Dichloroethane	8.24	62	70941	19.315	ug/l	99
43) Isopropyl Acetate	8.27	43	98656	18.911	ug/l	99
44) Trichloroethene	8.94	130	70853	19.741	ug/l	93
45) 1,2-Dichloropropane	9.22	63	69456	19.800	ug/l	98
46) Dibromomethane	9.30	93	36098	19.695	ug/l	97
47) Bromodichloromethane	9.50	83	83294	19.345	ug/l	98
48) Methyl methacrylate	9.29	41	41130	17.929	ug/l	89
49) 1,4-Dioxane	9.30	88	10280	395.843	ug/l #	92
51) 4-Methyl-2-Pentanone	10.07	43	266158	98.742	ug/l	99
52) Toluene	10.24	92	168594	19.498	ug/l	98
53) t-1,3-Dichloropropene	10.46	75	89427	19.332	ug/l	100
54) cis-1,3-Dichloropropene	9.92	75	107720	19.701	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	54452	20.109	ug/l	98
56) Ethyl methacrylate	10.51	69	76920	19.857	ug/l	98
57) 1,3-Dichloropropane	10.78	76	94383	19.998	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.78	63	164010	105.004	ug/l	99
59) 2-Hexanone	10.83	43	183719	93.537	ug/l	100
60) Dibromochloromethane	10.98	129	56562	19.403	ug/l	98
61) 1,2-Dibromoethane	11.08	107	50359	19.733	ug/l	95
64) Tetrachloroethene	10.72	164	76354	20.329	ug/l	94
65) Chlorobenzene	11.51	112	176209	19.609	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.58	131	60063	19.834	ug/l	97
67) Ethyl Benzene	11.59	91	319335	19.081	ug/l	99
68) m/p-Xylenes	11.70	106	246014	39.165	ug/l	96
69) o-Xylene	12.02	106	119181	20.349	ug/l	94
70) Styrene	12.04	104	195656	19.510	ug/l	99
71) Bromoform	12.20	173	32301	18.912	ug/l #	99
73) Isopropylbenzene	12.33	105	307634	19.073	ug/l	99
74) N-amyl acetate	12.14	43	83532	18.607	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	60705	19.101	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	48915m	21.313	ug/l	
77) Bromobenzene	12.60	156	68618	19.626	ug/l	97
78) n-propylbenzene	12.67	91	374871	19.035	ug/l	99
79) 2-Chlorotoluene	12.75	91	204920	18.835	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	256523	19.209	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	21950	18.786	ug/l	96
82) 4-Chlorotoluene	12.85	91	215652	19.239	ug/l	99
83) tert-Butylbenzene	13.07	119	211989	18.881	ug/l	99
84) 1,2,4-Trimethylbenzene	13.11	105	258095	19.317	ug/l	99
85) sec-Butylbenzene	13.25	105	309909	18.979	ug/l	100
86) p-Isopropyltoluene	13.36	119	278755	19.627	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	133673	19.490	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	134751	19.842	ug/l	100
89) n-Butylbenzene	13.69	91	277587	19.331	ug/l	100
90) Hexachloroethane	13.95	117	49016	18.735	ug/l	98
91) 1,2-Dichlorobenzene	13.73	146	122863	19.915	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	10351	19.455	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	82506	19.764	ug/l	97
94) Hexachlorobutadiene	15.11	225	39641	19.153	ug/l	95
95) Naphthalene	15.23	128	193341	19.946	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	75587	20.271	ug/l	95

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

