

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011520\
 Data File : VY001213.D
 Acq On : 15 Jan 2020 13:26
 Operator : SY/MD
 Sample : VY0115SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0115SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/16/2020 9:36:15 AM

Quant Time: Jan 16 05:19:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	182935	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	320797	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	281958	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	136180	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	89738	46.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.90%	
35) Dibromofluoromethane	7.73	113	85438	45.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.98%	
50) Toluene-d8	10.18	98	349371	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	
62) 4-Bromofluorobenzene	12.48	95	127774	43.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	32148	22.882	ug/l	98
3) Chloromethane	2.12	50	45360	22.399	ug/l	100
4) Vinyl Chloride	2.25	62	47527	23.296	ug/l	100
5) Bromomethane	2.64	94	31734	28.958	ug/l	100
6) Chloroethane	2.79	64	29801	25.284	ug/l	97
7) Trichlorofluoromethane	3.13	101	60525	21.313	ug/l	98
8) Diethyl Ether	3.53	74	24648	22.337	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.90	101	37944	20.758	ug/l	97
10) Methyl Iodide	4.10	142	50798	20.303	ug/l	100
11) Tert butyl alcohol	4.97	59	25961	133.547	ug/l	99
12) 1,1-Dichloroethene	3.88	96	40117	21.451	ug/l	97
13) Acrolein	3.73	56	20945	119.682	ug/l	100
14) Allyl chloride	4.49	41	67895	21.511	ug/l	98
15) Acrylonitrile	5.18	53	62640	113.506	ug/l	99
16) Acetone	3.96	43	52938	117.976	ug/l	96
17) Carbon Disulfide	4.19	76	129308	21.364	ug/l	97
18) Methyl Acetate	4.48	43	32775	22.092	ug/l	97
19) Methyl tert-butyl Ether	5.23	73	114542	22.142	ug/l	99
20) Methylene Chloride	4.72	84	51836	21.658	ug/l	96
21) trans-1,2-Dichloroethene	5.23	96	45825	21.610	ug/l	97
22) Diisopropyl ether	6.13	45	139687	21.668	ug/l	96
23) Vinyl Acetate	6.07	43	465385	112.877	ug/l	100
24) 1,1-Dichloroethane	6.03	63	78363	22.204	ug/l	99
25) 2-Butanone	7.00	43	86098	123.286	ug/l	99
26) 2,2-Dichloropropane	6.99	77	68111	20.986	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	51576	22.197	ug/l	100
28) Bromochloromethane	7.34	49	27396	18.903	ug/l	99
29) Tetrahydrofuran	7.36	42	55603	116.181	ug/l	97
30) Chloroform	7.52	83	76282	22.059	ug/l	100
31) Cyclohexane	7.79	56	76746	20.538	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	64851	21.136	ug/l	100
36) 1,1-Dichloropropene	7.93	75	61626	21.077	ug/l	99
37) Ethyl Acetate	7.08	43	37473	21.838	ug/l	98
38) Carbon Tetrachloride	7.91	117	56019	20.906	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	81269	20.502	ug/l	98
40) Benzene	8.17	78	184919	21.666	ug/l	100
41) Methacrylonitrile	7.33	41	16771m	20.807	ug/l	
42) 1,2-Dichloroethane	8.24	62	50496	21.129	ug/l	98
43) Isopropyl Acetate	8.28	43	71790	21.879	ug/l	98
44) Trichloroethene	8.94	130	47992	21.579	ug/l	99
45) 1,2-Dichloropropane	9.22	63	45609	21.616	ug/l	95
46) Dibromomethane	9.31	93	24980	21.698	ug/l	98
47) Bromodichloromethane	9.50	83	59535	21.219	ug/l	98
48) Methyl methacrylate	9.30	41	33354	21.966	ug/l	99
49) 1,4-Dioxane	9.30	88	6841	487.936	ug/l #	96
51) 4-Methyl-2-Pentanone	10.07	43	185865	111.635	ug/l	99
52) Toluene	10.24	92	116066	21.321	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	66199	21.085	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	76307	21.557	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	37777	22.134	ug/l	97
56) Ethyl methacrylate	10.51	69	54780	20.982	ug/l	99
57) 1,3-Dichloropropane	10.79	76	63086	21.531	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	94122	102.504	ug/l	99
59) 2-Hexanone	10.83	43	133991	114.833	ug/l	99
60) Dibromochloromethane	10.99	129	41652	21.196	ug/l	100
61) 1,2-Dibromoethane	11.09	107	35496	21.299	ug/l	100
64) Tetrachloroethene	10.72	164	39007	21.461	ug/l	98
65) Chlorobenzene	11.52	112	122785	21.794	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	41953	21.605	ug/l	99
67) Ethyl Benzene	11.59	91	223116	21.648	ug/l	99
68) m/p-Xylenes	11.70	106	169518	43.602	ug/l	98
69) o-Xylene	12.03	106	81870	21.963	ug/l	97
70) Styrene	12.04	104	140826	21.532	ug/l	98
71) Bromoform	12.20	173	25425	21.232	ug/l #	98
73) Isopropylbenzene	12.33	105	213783	20.882	ug/l	99
74) N-amyl acetate	12.14	43	67516	21.132	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	45834	21.279	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	28260m	19.385	ug/l	
77) Bromobenzene	12.61	156	48535	21.455	ug/l	95
78) n-propylbenzene	12.67	91	255644	20.760	ug/l	99
79) 2-Chlorotoluene	12.75	91	144397	20.418	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	180397	21.119	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	17885	20.804	ug/l #	97
82) 4-Chlorotoluene	12.85	91	155320	20.572	ug/l	99
83) tert-Butylbenzene	13.07	119	149968	20.894	ug/l	98
84) 1,2,4-Trimethylbenzene	13.11	105	179916	21.209	ug/l	100
85) sec-Butylbenzene	13.25	105	216495	20.967	ug/l	98
86) p-Isopropyltoluene	13.36	119	193069	21.535	ug/l	98
87) 1,3-Dichlorobenzene	13.36	146	94999	22.206	ug/l	97
88) 1,4-Dichlorobenzene	13.44	146	93443	21.222	ug/l	99
89) n-Butylbenzene	13.69	91	189547	20.992	ug/l	98
90) Hexachloroethane	13.95	117	35399	20.208	ug/l	94
91) 1,2-Dichlorobenzene	13.74	146	86143	21.666	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	7780	20.024	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	58522	22.339	ug/l	98
94) Hexachlorobutadiene	15.11	225	29257	22.169	ug/l	98
95) Naphthalene	15.23	128	133023	21.812	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	50843	22.022	ug/l	98

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

