

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091119\
 Data File : VY000011.D
 Acq On : 11 Sep 2019 20:21
 Operator : SY/MD
 Sample : VY0911SBSD01
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0911SBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:51:38 PM

Quant Time: Sep 19 11:45:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 11:25:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	136854	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	265251	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	222253	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	92013	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	76052	54.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.64%	
35) Dibromofluoromethane	7.72	113	74133	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
50) Toluene-d8	10.18	98	314713	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
62) 4-Bromofluorobenzene	12.48	95	105168	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	22101	22.013	ug/l	97
3) Chloromethane	2.11	50	30410	18.123	ug/l	99
4) Vinyl Chloride	2.24	62	34419	21.699	ug/l	97
5) Bromomethane	2.62	94	21902	23.666	ug/l	92
6) Chloroethane	2.78	64	21567	20.622	ug/l	94
7) Trichlorofluoromethane	3.12	101	43205	22.116	ug/l	93
8) Diethyl Ether	3.53	74	17430	22.748	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.89	101	28877	22.081	ug/l	98
10) Methyl Iodide	4.09	142	30127	19.797	ug/l	98
11) Tert butyl alcohol	4.98	59	21541	129.101	ug/l	100
12) 1,1-Dichloroethene	3.87	96	26510	20.944	ug/l	90
13) Acrolein	3.73	56	18154	148.207	ug/l	99
14) Allyl chloride	4.48	41	41077	21.332	ug/l	97
15) Acrylonitrile	5.17	53	57096	113.580	ug/l	97
16) Acetone	3.95	43	38262	98.847	ug/l	93
17) Carbon Disulfide	4.18	76	55008	21.291	ug/l	95
18) Methyl Acetate	4.48	43	24397	20.884	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	83464	23.408	ug/l	95
20) Methylene Chloride	4.71	84	33893	21.588	ug/l #	93
21) trans-1,2-Dichloroethene	5.21	96	28876	21.172	ug/l	94
22) Diisopropyl ether	6.12	45	90099	21.522	ug/l	99
23) Vinyl Acetate	6.06	43	308295	108.631	ug/l	99
24) 1,1-Dichloroethane	6.02	63	56244	22.430	ug/l	97
25) 2-Butanone	6.99	43	66799	109.291	ug/l	98
26) 2,2-Dichloropropane	6.98	77	44340	20.680	ug/l	98
27) cis-1,2-Dichloroethene	6.98	96	37063	21.660	ug/l	99
28) Bromochloromethane	7.34	49	21459	18.573	ug/l	94
29) Tetrahydrofuran	7.35	42	42349	110.910	ug/l	97
30) Chloroform	7.51	83	55469	21.854	ug/l	97
31) Cyclohexane	7.78	56	45768	21.826	ug/l	96
32) 1,1,1-Trichloroethane	7.70	97	45303	21.624	ug/l	98
36) 1,1-Dichloropropene	7.92	75	38758	20.214	ug/l	99
37) Ethyl Acetate	7.08	43	27335	20.846	ug/l	99
38) Carbon Tetrachloride	7.89	117	37733	20.499	ug/l #	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	47132	19.939	ug/l	98
40) Benzene	8.16	78	129256	20.964	ug/l	98
41) Methacrylonitrile	7.32	41	15911	20.243	ug/l	96
42) 1,2-Dichloroethane	8.24	62	33021	20.541	ug/l	99
43) Isopropyl Acetate	8.27	43	53928	22.373	ug/l	96
44) Trichloroethene	8.93	130	32057	20.209	ug/l	96
45) 1,2-Dichloropropane	9.21	63	33002	20.852	ug/l	90
46) Dibromomethane	9.31	93	18289	21.356	ug/l	95
47) Bromodichloromethane	9.49	83	43781	21.344	ug/l #	94
48) Methyl methacrylate	9.29	41	22543	21.171	ug/l	95
49) 1,4-Dioxane	9.30	88	7748	460.267	ug/l	93
51) 4-Methyl-2-Pentanone	10.07	43	149675	112.804	ug/l	99
52) Toluene	10.24	92	79662	20.523	ug/l	97
53) t-1,3-Dichloropropene	10.46	75	45074	20.918	ug/l	95
54) cis-1,3-Dichloropropene	9.93	75	53394	21.226	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	27841	20.975	ug/l	99
56) Ethyl methacrylate	10.51	69	40947	21.428	ug/l	95
57) 1,3-Dichloropropane	10.79	76	45959	20.981	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	105062	106.571	ug/l	97
59) 2-Hexanone	10.83	43	108530	114.878	ug/l	100
60) Dibromochloromethane	10.98	129	30582	21.619	ug/l	95
61) 1,2-Dibromoethane	11.09	107	25865	21.183	ug/l	94
64) Tetrachloroethene	10.71	164	28064	20.655	ug/l	92
65) Chlorobenzene	11.51	112	88541	21.552	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.59	131	31359	22.561	ug/l	98
67) Ethyl Benzene	11.59	91	154091	20.528	ug/l	97
68) m/p-Xylenes	11.70	106	118424	41.536	ug/l	99
69) o-Xylene	12.02	106	56897	20.750	ug/l	94
70) Styrene	12.04	104	102405	21.449	ug/l	98
71) Bromoform	12.21	173	17757	21.087	ug/l #	93
73) Isopropylbenzene	12.32	105	155288	22.321	ug/l	100
74) N-amyl acetate	12.14	43	45694	23.665	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	39348	24.550	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	27466m	25.295	ug/l	
77) Bromobenzene	12.60	156	33244	22.419	ug/l	98
78) n-propylbenzene	12.66	91	184022	21.856	ug/l	100
79) 2-Chlorotoluene	12.75	91	101847	21.803	ug/l	99
80) 1,3,5-Trimethylbenzene	12.80	105	126469	21.988	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.37	75	14820	23.626	ug/l	98
82) 4-Chlorotoluene	12.85	91	107599	22.054	ug/l	100
83) tert-Butylbenzene	13.07	119	108702	22.214	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	124163	22.068	ug/l	98
85) sec-Butylbenzene	13.25	105	156996	21.523	ug/l	100
86) p-Isopropyltoluene	13.37	119	132001	21.515	ug/l	98
87) 1,3-Dichlorobenzene	13.36	146	64075	22.399	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	63188	21.905	ug/l	97
89) n-Butylbenzene	13.69	91	130610	21.304	ug/l	98
90) Hexachloroethane	13.96	117	26730	21.535	ug/l	97
91) 1,2-Dichlorobenzene	13.73	146	60556	22.478	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.35	75	7574	25.377	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	36130	21.993	ug/l	96
94) Hexachlorobutadiene	15.10	225	17190	21.610	ug/l	98
95) Naphthalene	15.22	128	108669	24.196	ug/l	99
96) 1,2,3-Trichlorobenzene	15.41	180	34242	23.243	ug/l	97

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

