

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY060220\
 Data File : VY002814.D
 Acq On : 02 Jun 2020 12:00
 Operator : SY/MD
 Sample : VY0602SBSD01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0602SBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/3/2020 11:31:36 AM

Quant Time: Jun 03 05:43:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 13:13:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	326615	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	474777	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	440330	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	238288	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	139921	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
35) Dibromofluoromethane	7.72	113	146950	52.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.62%	
50) Toluene-d8	10.18	98	576528	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
62) 4-Bromofluorobenzene	12.48	95	201676	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	45190	20.108	ug/l	94
3) Chloromethane	2.12	50	51701	20.798	ug/l	100
4) Vinyl Chloride	2.26	62	56372	21.455	ug/l	96
5) Bromomethane	2.65	94	41685	21.171	ug/l	92
6) Chloroethane	2.80	64	37017	21.733	ug/l	95
7) Trichlorofluoromethane	3.13	101	99021	21.279	ug/l	97
8) Diethyl Ether	3.54	74	35959	19.790	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	60583	21.927	ug/l	98
10) Methyl Iodide	4.10	142	80638	20.858	ug/l	100
11) Tert butyl alcohol	4.97	59	29475	88.449	ug/l #	87
12) 1,1-Dichloroethene	3.88	96	59797	21.521	ug/l	96
13) Acrolein	3.74	56	31649	95.231	ug/l	100
14) Allyl chloride	4.49	41	87745	22.018	ug/l	98
15) Acrylonitrile	5.18	53	84935	103.614	ug/l	100
16) Acetone	3.96	43	64130	96.438	ug/l	98
17) Carbon Disulfide	4.20	76	177989	21.198	ug/l	99
18) Methyl Acetate	4.49	43	38693	22.660	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	160357	20.905	ug/l	98
20) Methylene Chloride	4.72	84	67208	20.681	ug/l	96
21) trans-1,2-Dichloroethene	5.22	96	67091	21.471	ug/l	99
22) Diisopropyl ether	6.13	45	181405	21.906	ug/l	95
23) Vinyl Acetate	6.07	43	583470	106.716	ug/l	99
24) 1,1-Dichloroethane	6.03	63	104093	21.488	ug/l	98
25) 2-Butanone	7.00	43	103185	99.594	ug/l	97
26) 2,2-Dichloropropane	6.99	77	94955	20.438	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	74446	21.282	ug/l	99
28) Bromochloromethane	7.34	49	44905	22.580	ug/l	100
29) Tetrahydrofuran	7.36	42	68882	102.212	ug/l	100
30) Chloroform	7.52	83	109964	21.392	ug/l	98
31) Cyclohexane	7.79	56	101781	21.161	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	100245	20.927	ug/l	100
36) 1,1-Dichloropropene	7.93	75	85645	21.415	ug/l	99
37) Ethyl Acetate	7.08	43	45287	20.812	ug/l	98
38) Carbon Tetrachloride	7.91	117	93728	21.096	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	113358	21.504	ug/l	98
40) Benzene	8.17	78	254037	21.497	ug/l	99
41) Methacrylonitrile	7.32	41	23154m	19.807	ug/l	
42) 1,2-Dichloroethane	8.24	62	70329	21.235	ug/l	99
43) Isopropyl Acetate	8.28	43	85960	20.846	ug/l	100
44) Trichloroethene	8.94	130	78537	21.040	ug/l	96
45) 1,2-Dichloropropane	9.22	63	61960	21.864	ug/l	98
46) Dibromomethane	9.31	93	36854	21.897	ug/l	96
47) Bromodichloromethane	9.50	83	86160	21.715	ug/l	99
48) Methyl methacrylate	9.30	41	39120	21.016	ug/l	97
49) 1,4-Dioxane	9.30	88	9906	383.321	ug/l	93
51) 4-Methyl-2-Pentanone	10.07	43	225927	103.470	ug/l	99
52) Toluene	10.24	92	166069	21.482	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	92879	21.432	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	106002	21.586	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	53512	20.768	ug/l	94
56) Ethyl methacrylate	10.51	69	71729	20.784	ug/l	100
57) 1,3-Dichloropropane	10.79	76	90759	21.415	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	174935	103.735	ug/l	98
59) 2-Hexanone	10.83	43	159120	102.708	ug/l	100
60) Dibromochloromethane	10.99	129	67724	20.731	ug/l	99
61) 1,2-Dibromoethane	11.09	107	53777	21.157	ug/l	100
64) Tetrachloroethene	10.72	164	83452	20.853	ug/l	99
65) Chlorobenzene	11.52	112	184965	21.253	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	69595	21.232	ug/l	98
67) Ethyl Benzene	11.59	91	319389	21.168	ug/l	100
68) m/p-Xylenes	11.70	106	250800	42.873	ug/l	99
69) o-Xylene	12.03	106	119251	21.594	ug/l	99
70) Styrene	12.04	104	204704	21.383	ug/l	100
71) Bromoform	12.20	173	45734	20.852	ug/l #	99
73) Isopropylbenzene	12.33	105	321975	21.085	ug/l	99
74) N-amyl acetate	12.14	43	80019	20.423	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	56999	21.274	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	44216m	20.593	ug/l	
77) Bromobenzene	12.61	156	82344	20.709	ug/l	99
78) n-propylbenzene	12.67	91	376451	21.342	ug/l	100
79) 2-Chlorotoluene	12.75	91	212204	21.446	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	271535	21.297	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	23976	21.038	ug/l	97
82) 4-Chlorotoluene	12.85	91	219034	21.128	ug/l	100
83) tert-Butylbenzene	13.07	119	241562	21.239	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	273159	21.307	ug/l	100
85) sec-Butylbenzene	13.25	105	330022	21.222	ug/l	100
86) p-Isopropyltoluene	13.37	119	312233	21.578	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	159630	21.194	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	159356	21.151	ug/l	99
89) n-Butylbenzene	13.69	91	283718	21.596	ug/l	100
90) Hexachloroethane	13.96	117	58221	21.492	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	144082	21.094	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	10136	19.663	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	108790	21.130	ug/l	98
94) Hexachlorobutadiene	15.11	225	63132	21.620	ug/l	99
95) Naphthalene	15.23	128	209253	20.271	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	95608	20.795	ug/l	99

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

