

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041320\
 Data File : VY002297.D
 Acq On : 13 Apr 2020 21:36
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/14/2020 10:02:00 AM

Quant Time: Apr 14 09:36:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	141782	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	268946	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	246150	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	111585	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	82595	52.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.76%	
35) Dibromofluoromethane	7.74	113	84953	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	
50) Toluene-d8	10.19	98	346896	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	
62) 4-Bromofluorobenzene	12.49	95	113159	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	74544	52.022	ug/l	95
3) Chloromethane	2.12	50	97168	53.880	ug/l	99
4) Vinyl Chloride	2.26	62	99307	51.735	ug/l	97
5) Bromomethane	2.66	94	66893	56.432	ug/l	97
6) Chloroethane	2.80	64	60074	54.266	ug/l	97
7) Trichlorofluoromethane	3.14	101	127126	51.282	ug/l	98
8) Diethyl Ether	3.55	74	62102	58.928	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.92	101	90215	53.575	ug/l	99
10) Methyl Iodide	4.11	142	106029	54.170	ug/l	97
11) Tert butyl alcohol	4.98	59	49808	303.744	ug/l	99
12) 1,1-Dichloroethene	3.89	96	94441	55.165	ug/l	94
13) Acrolein	3.75	56	52487	258.178	ug/l	97
14) Allyl chloride	4.50	41	148782	53.818	ug/l	97
15) Acrylonitrile	5.19	53	158337	293.802	ug/l	99
16) Acetone	3.97	43	101360	244.076	ug/l	95
17) Carbon Disulfide	4.21	76	310356	54.586	ug/l	98
18) Methyl Acetate	4.50	43	75514	58.624	ug/l	100
19) Methyl tert-butyl Ether	5.24	73	261320	58.062	ug/l	97
20) Methylene Chloride	4.74	84	112980	55.351	ug/l	97
21) trans-1,2-Dichloroethene	5.24	96	108867	56.654	ug/l	97
22) Diisopropyl ether	6.14	45	311938	56.068	ug/l	97
23) Vinyl Acetate	6.08	43	1008855	284.552	ug/l	100
24) 1,1-Dichloroethane	6.05	63	178690	56.467	ug/l	99
25) 2-Butanone	7.01	43	179869	273.690	ug/l	100
26) 2,2-Dichloropropane	7.00	77	126795	47.899	ug/l	96
27) cis-1,2-Dichloroethene	7.01	96	122629	58.542	ug/l	95
28) Bromochloromethane	7.35	49	71557	52.383	ug/l	97
29) Tetrahydrofuran	7.36	42	123414	284.086	ug/l	98
30) Chloroform	7.53	83	170042	57.004	ug/l	96
31) Cyclohexane	7.80	56	168489	50.724	ug/l	97
32) 1,1,1-Trichloroethane	7.72	97	135215	54.459	ug/l	99
36) 1,1-Dichloropropene	7.94	75	135016	50.967	ug/l	98
37) Ethyl Acetate	7.10	43	81019	53.536	ug/l	99
38) Carbon Tetrachloride	7.92	117	116324	51.336	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	180796	50.171	ug/l	96
40) Benzene	8.18	78	437064	54.380	ug/l	100
41) Methacrylonitrile	7.35	41	47771m	53.510	ug/l	
42) 1,2-Dichloroethane	8.25	62	104866	52.671	ug/l	97
43) Isopropyl Acetate	8.29	43	149289	54.089	ug/l	98
44) Trichloroethene	8.95	130	126320	53.457	ug/l	94
45) 1,2-Dichloropropane	9.23	63	109586	54.952	ug/l	99
46) Dibromomethane	9.32	93	58136	55.756	ug/l	99
47) Bromodichloromethane	9.51	83	133316	55.723	ug/l	96
48) Methyl methacrylate	9.30	41	65899	53.248	ug/l	95
49) 1,4-Dioxane	9.31	88	17185	1165.138	ug/l	92
51) 4-Methyl-2-Pentanone	10.08	43	394446	274.262	ug/l	98
52) Toluene	10.25	92	265913	54.899	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	143018	54.866	ug/l	96
54) cis-1,3-Dichloropropene	9.94	75	172177	54.941	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	85898	56.270	ug/l	97
56) Ethyl methacrylate	10.52	69	125114	57.425	ug/l	94
57) 1,3-Dichloropropane	10.80	76	149816	55.835	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	301624	267.337	ug/l	99
59) 2-Hexanone	10.84	43	268933	269.430	ug/l	98
60) Dibromochloromethane	10.99	129	93355	57.352	ug/l	100
61) 1,2-Dibromoethane	11.10	107	83376	57.371	ug/l	99
64) Tetrachloroethene	10.72	164	132448	53.221	ug/l	98
65) Chlorobenzene	11.52	112	275912	53.923	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	92855	54.965	ug/l	98
67) Ethyl Benzene	11.60	91	495877	52.938	ug/l	99
68) m/p-Xylenes	11.70	106	374569	106.764	ug/l	98
69) o-Xylene	12.03	106	176497	53.584	ug/l	98
70) Styrene	12.05	104	313983	54.944	ug/l	98
71) Bromoform	12.21	173	52560	57.212	ug/l #	99
73) Isopropylbenzene	12.33	105	461773	52.676	ug/l	100
74) N-amyl acetate	12.15	43	133448	53.628	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	60635	57.170	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	67638m	52.200	ug/l	
77) Bromobenzene	12.61	156	105417	54.658	ug/l	97
78) n-propylbenzene	12.67	91	562051	51.552	ug/l	100
79) 2-Chlorotoluene	12.76	91	310948	52.481	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	380502	52.484	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	36246	54.407	ug/l	95
82) 4-Chlorotoluene	12.86	91	318693	51.319	ug/l	98
83) tert-Butylbenzene	13.08	119	319034	52.536	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	377804	52.186	ug/l	99
85) sec-Butylbenzene	13.26	105	465768	51.486	ug/l	100
86) p-Isopropyltoluene	13.38	119	398497	51.181	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	200467	53.633	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	197304	52.002	ug/l	100
89) n-Butylbenzene	13.70	91	397319	49.784	ug/l	99
90) Hexachloroethane	13.97	117	77608	52.308	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	181777	53.521	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	13424	52.333	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	111082	50.037	ug/l	99
94) Hexachlorobutadiene	15.12	225	56191	50.255	ug/l	99
95) Naphthalene	15.24	128	259469	53.381	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	96553	50.089	ug/l	100

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

