

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021820\
 Data File : VY001663.D
 Acq On : 18 Feb 2020 10:37
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 1:42:49 PM

Quant Time: Feb 19 06:56:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	190762	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	339860	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	303427	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	144664	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	98871	48.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.36%	
35) Dibromofluoromethane	7.74	113	90458	46.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.94%	
50) Toluene-d8	10.19	98	381897	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
62) 4-Bromofluorobenzene	12.49	95	135660	45.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.58%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.91	85	100167	53.868	ug/l	99
3) Chloromethane	2.13	50	124811	49.903	ug/l	98
4) Vinyl Chloride	2.26	62	128420	50.906	ug/l	98
5) Bromomethane	2.66	94	79886	50.668	ug/l	96
6) Chloroethane	2.81	64	78267	50.348	ug/l	96
7) Trichlorofluoromethane	3.15	101	162048	50.190	ug/l	99
8) Diethyl Ether	3.55	74	60844	47.803	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.92	101	102274	50.397	ug/l	99
10) Methyl Iodide	4.11	142	124997	50.328	ug/l	99
11) Tert butyl alcohol	4.99	59	52896	219.425	ug/l	99
12) 1,1-Dichloroethene	3.90	96	102761	49.648	ug/l	99
13) Acrolein	3.75	56	68527	330.675	ug/l	99
14) Allyl chloride	4.51	41	179735	48.793	ug/l	98
15) Acrylonitrile	5.19	53	154523	236.849	ug/l	99
16) Acetone	3.97	43	178357	251.211	ug/l	96
17) Carbon Disulfide	4.22	76	339998	49.203	ug/l	100
18) Methyl Acetate	4.51	43	69730	45.098	ug/l	100
19) Methyl tert-butyl Ether	5.25	73	272892	47.355	ug/l	98
20) Methylene Chloride	4.74	84	111395	44.171	ug/l	97
21) trans-1,2-Dichloroethene	5.25	96	115012	48.703	ug/l	100
22) Diisopropyl ether	6.14	45	366682	48.472	ug/l	98
23) Vinyl Acetate	6.09	43	1206264	244.457	ug/l	98
24) 1,1-Dichloroethane	6.05	63	195326	48.310	ug/l	99
25) 2-Butanone	7.02	43	234034	242.650	ug/l	99
26) 2,2-Dichloropropane	7.01	77	169873	48.291	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	125685	48.217	ug/l	98
28) Bromochloromethane	7.36	49	84637	50.252	ug/l	100
29) Tetrahydrofuran	7.38	42	138628	237.801	ug/l	98
30) Chloroform	7.54	83	185477	46.948	ug/l	100
31) Cyclohexane	7.81	56	204493	47.436	ug/l	99
32) 1,1,1-Trichloroethane	7.72	97	163176	49.144	ug/l	99
36) 1,1-Dichloropropene	7.94	75	160129	49.326	ug/l	99
37) Ethyl Acetate	7.10	43	89804	46.349	ug/l	99
38) Carbon Tetrachloride	7.93	117	140401	49.239	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	211671	49.148	ug/l	98
40) Benzene	8.18	78	464515	48.652	ug/l	98
41) Methacrylonitrile	7.35	41	46220m	47.509	ug/l	
42) 1,2-Dichloroethane	8.26	62	124261	47.773	ug/l	100
43) Isopropyl Acetate	8.30	43	178612	48.585	ug/l	99
44) Trichloroethene	8.96	130	116684	48.957	ug/l	98
45) 1,2-Dichloropropane	9.24	63	117542	49.158	ug/l	99
46) Dibromomethane	9.32	93	60526	48.396	ug/l	99
47) Bromodichloromethane	9.52	83	146545	48.551	ug/l	99
48) Methyl methacrylate	9.31	41	79006	47.519	ug/l	100
49) 1,4-Dioxane	9.32	88	15965	903.818	ug/l	96
51) 4-Methyl-2-Pentanone	10.08	43	457297	242.106	ug/l	98
52) Toluene	10.26	92	290787	48.826	ug/l	100
53) t-1,3-Dichloropropene	10.48	75	162980	48.843	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	187200	48.744	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	88963	48.242	ug/l	98
56) Ethyl methacrylate	10.52	69	133773	48.355	ug/l	97
57) 1,3-Dichloropropane	10.80	76	156443	47.745	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	241636	230.780	ug/l	100
59) 2-Hexanone	10.85	43	353169	249.198	ug/l	97
60) Dibromochloromethane	11.00	129	99590	48.983	ug/l	100
61) 1,2-Dibromoethane	11.10	107	84678	48.563	ug/l	98
64) Tetrachloroethene	10.74	164	93207	48.933	ug/l	100
65) Chlorobenzene	11.53	112	298158	49.218	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	100854	49.353	ug/l	99
67) Ethyl Benzene	11.61	91	560189	49.830	ug/l	98
68) m/p-Xylenes	11.72	106	416588	99.202	ug/l	99
69) o-Xylene	12.04	106	197331	49.427	ug/l	98
70) Styrene	12.06	104	344111	49.595	ug/l	100
71) Bromoform	12.22	173	58994	50.516	ug/l #	99
73) Isopropylbenzene	12.34	105	538941	48.902	ug/l	99
74) N-amyl acetate	12.16	43	168182	47.817	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.60	83	112885	47.972	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	81781m	49.281	ug/l	
77) Bromobenzene	12.62	156	114098	47.758	ug/l	98
78) n-propylbenzene	12.69	91	662805	49.381	ug/l	100
79) 2-Chlorotoluene	12.77	91	368711	48.978	ug/l	99
80) 1,3,5-Trimethylbenzene	12.83	105	449966	49.323	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	42464	48.546	ug/l	93
82) 4-Chlorotoluene	12.87	91	385342	48.533	ug/l	99
83) tert-Butylbenzene	13.09	119	378505	49.608	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	446470	49.089	ug/l	100
85) sec-Butylbenzene	13.27	105	552899	49.270	ug/l	100
86) p-Isopropyltoluene	13.38	119	482140	49.457	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	224135	48.374	ug/l	99
88) 1,4-Dichlorobenzene	13.46	146	225562	48.160	ug/l	99
89) n-Butylbenzene	13.70	91	491143	49.305	ug/l	100
90) Hexachloroethane	13.97	117	88311	48.080	ug/l	96
91) 1,2-Dichlorobenzene	13.75	146	206577	48.311	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	18057	46.496	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	132351	46.708	ug/l	100
94) Hexachlorobutadiene	15.13	225	67470	47.878	ug/l	99
95) Naphthalene	15.25	128	304161	46.554	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	116226	46.623	ug/l	99

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

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