

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031020\
 Data File : VY001932.D
 Acq On : 10 Mar 2020 19:02
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:22:44 PM

Quant Time: Mar 11 05:13:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	151644	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.70	114	286487	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	260986	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.43	152	122183	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	87628	54.13	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	108.26%	
35) Dibromofluoromethane	7.73	113	82581	52.79	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	105.58%	
50) Toluene-d8	10.19	98	338832	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
62) 4-Bromofluorobenzene	12.49	95	119199	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	62010	44.300	ug/l	95
3) Chloromethane	2.12	50	89150	47.239	ug/l	99
4) Vinyl Chloride	2.26	62	91232	47.526	ug/l	99
5) Bromomethane	2.66	94	62190	56.192	ug/l	97
6) Chloroethane	2.80	64	60100	49.840	ug/l	96
7) Trichlorofluoromethane	3.13	101	124521	47.830	ug/l	97
8) Diethyl Ether	3.54	74	52976	51.630	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	82206	49.094	ug/l	99
10) Methyl Iodide	4.11	142	95929	49.539	ug/l	99
11) Tert butyl alcohol	4.97	59	50162	302.490	ug/l	99
12) 1,1-Dichloroethene	3.88	96	82747	49.078	ug/l	99
13) Acrolein	3.74	56	61062	268.412	ug/l	98
14) Allyl chloride	4.50	41	155947	52.174	ug/l	99
15) Acrylonitrile	5.18	53	144286	263.152	ug/l	99
16) Acetone	3.96	43	103710	219.948	ug/l	95
17) Carbon Disulfide	4.21	76	267598	47.214	ug/l	99
18) Methyl Acetate	4.49	43	63056	52.046	ug/l	97
19) Methyl tert-butyl Ether	5.24	73	241572	52.872	ug/l	99
20) Methylene Chloride	4.74	84	101299	50.127	ug/l	98
21) trans-1,2-Dichloroethene	5.24	96	97277	50.833	ug/l	95
22) Diisopropyl ether	6.14	45	330681	53.972	ug/l	98
23) Vinyl Acetate	6.08	43	1082719	269.563	ug/l	99
24) 1,1-Dichloroethane	6.04	63	171346	51.643	ug/l	99
25) 2-Butanone	7.00	43	177997	248.233	ug/l	99
26) 2,2-Dichloropropane	7.00	77	135557	49.778	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	109518	52.612	ug/l	99
28) Bromochloromethane	7.35	49	81631	54.584	ug/l	99
29) Tetrahydrofuran	7.36	42	123347	259.040	ug/l	100
30) Chloroform	7.52	83	164390	52.736	ug/l	99
31) Cyclohexane	7.80	56	170020	47.792	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	134707	51.271	ug/l	99
36) 1,1-Dichloropropene	7.93	75	132065	47.904	ug/l	99
37) Ethyl Acetate	7.09	43	81627	50.944	ug/l	100
38) Carbon Tetrachloride	7.91	117	115908	49.216	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	173419	47.427	ug/l	97
40) Benzene	8.17	78	405960	49.681	ug/l	99
41) Methacrylonitrile	7.34	41	47967m	66.520	ug/l	
42) 1,2-Dichloroethane	8.25	62	107821	51.206	ug/l	99
43) Isopropyl Acetate	8.28	43	156292	51.520	ug/l	99
44) Trichloroethene	8.95	130	96548	48.515	ug/l	99
45) 1,2-Dichloropropane	9.22	63	105488	51.354	ug/l	98
46) Dibromomethane	9.31	93	54596	51.576	ug/l	97
47) Bromodichloromethane	9.50	83	128368	52.131	ug/l	100
48) Methyl methacrylate	9.30	41	69284	51.470	ug/l	94
49) 1,4-Dioxane	9.30	88	14470	997.605	ug/l	96
51) 4-Methyl-2-Pentanone	10.08	43	407671	260.906	ug/l	99
52) Toluene	10.25	92	247848	49.930	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	139086	51.845	ug/l	97
54) cis-1,3-Dichloropropene	9.94	75	164640	51.552	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	79312	51.196	ug/l	98
56) Ethyl methacrylate	10.52	69	121390	53.459	ug/l	98
57) 1,3-Dichloropropane	10.80	76	142025	51.431	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	196137	246.659	ug/l	100
59) 2-Hexanone	10.83	43	276643	248.053	ug/l	99
60) Dibromochloromethane	10.99	129	85531	52.396	ug/l	99
61) 1,2-Dibromoethane	11.10	107	76253	51.963	ug/l	100
64) Tetrachloroethene	10.72	164	78017	47.667	ug/l	97
65) Chlorobenzene	11.52	112	254737	48.985	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	86582	50.771	ug/l	98
67) Ethyl Benzene	11.60	91	481197	49.616	ug/l	98
68) m/p-Xylenes	11.70	106	356963	99.554	ug/l	99
69) o-Xylene	12.03	106	169505	50.156	ug/l	100
70) Styrene	12.05	104	297240	51.353	ug/l	99
71) Bromoform	12.21	173	48066	51.973	ug/l #	100
73) Isopropylbenzene	12.33	105	450863	48.339	ug/l	100
74) N-amyl acetate	12.14	43	146352	51.054	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	103154	51.285	ug/l	97
76) 1,2,3-Trichloropropane	12.64	75	74338m	51.275	ug/l	
77) Bromobenzene	12.61	156	102297	51.766	ug/l	93
78) n-propylbenzene	12.67	91	565664	49.158	ug/l	100
79) 2-Chlorotoluene	12.76	91	311511	49.000	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	375863	48.950	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	35072	48.865	ug/l	97
82) 4-Chlorotoluene	12.86	91	330212	49.886	ug/l	100
83) tert-Butylbenzene	13.08	119	317475	49.780	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	379554	49.809	ug/l	99
85) sec-Butylbenzene	13.25	105	462158	49.163	ug/l	100
86) p-Isopropyltoluene	13.37	119	400542	49.394	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	190490	49.192	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	191729	48.805	ug/l	99
89) n-Butylbenzene	13.70	91	412825	49.069	ug/l	99
90) Hexachloroethane	13.96	117	77777	50.841	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	174512	49.605	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	15470	49.289	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	111680	48.951	ug/l	97
94) Hexachlorobutadiene	15.11	225	53697	48.275	ug/l	99
95) Naphthalene	15.24	128	268773	49.666	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	99416	49.464	ug/l	99

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

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