

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020420\
 Data File : VY001481.D
 Acq On : 04 Feb 2020 12:55
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 2/5/2020 12:23:30 PM

Quant Time: Feb 04 14:43:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 14:37:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	248681	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	429679	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	386485	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	182474	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	12945	4.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.76%	
35) Dibromofluoromethane	7.74	113	11981	4.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.56%	
50) Toluene-d8	10.19	98	48594	5.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.00%	
62) 4-Bromofluorobenzene	12.49	95	18207	4.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.46%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.91	85	11417	5.560	ug/l	94
3) Chloromethane	2.13	50	12927	4.440	ug/l	97
4) Vinyl Chloride	2.26	62	12629	4.169	ug/l	100
5) Bromomethane	2.66	94	9287	4.562	ug/l	85
6) Chloroethane	2.81	64	7802	4.062	ug/l	95
7) Trichlorofluoromethane	3.15	101	22017	5.458	ug/l	97
8) Diethyl Ether	3.56	74	7556	4.610	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.91	101	13261	5.216	ug/l	98
10) Methyl Iodide	4.11	142	15302	4.600	ug/l	100
11) Tert butyl alcohol	4.97	59	17948	44.780	ug/l #	91
12) 1,1-Dichloroethene	3.90	96	12847	4.844	ug/l	93
13) Acrolein	3.76	56	6308	27.157	ug/l	96
14) Allyl chloride	4.50	41	20189	4.386	ug/l	99
15) Acrylonitrile	5.19	53	17897	21.743	ug/l	98
16) Acetone	3.97	43	21234	27.378	ug/l	99
17) Carbon Disulfide	4.22	76	40554	4.846	ug/l	96
18) Methyl Acetate	4.51	43	8517	3.933	ug/l	96
19) Methyl tert-butyl Ether	5.26	73	36354	4.784	ug/l	96
20) Methylene Chloride	4.75	84	21948	5.327	ug/l	92
21) trans-1,2-Dichloroethene	5.25	96	14552	4.768	ug/l	97
22) Diisopropyl ether	6.15	45	39726	4.095	ug/l	95
23) Vinyl Acetate	6.10	43	129567	20.708	ug/l	98
24) 1,1-Dichloroethane	6.05	63	23988	4.609	ug/l	98
25) 2-Butanone	7.02	43	26370	23.172	ug/l	92
26) 2,2-Dichloropropane	7.01	77	25317	5.404	ug/l	95
27) cis-1,2-Dichloroethene	7.02	96	16523	4.872	ug/l	95
28) Bromochloromethane	7.36	49	7940	3.781	ug/l	97
29) Tetrahydrofuran	7.38	42	15418	21.086	ug/l	99
30) Chloroform	7.53	83	24153	4.695	ug/l	98
31) Cyclohexane	7.81	56	27256	5.245	ug/l #	74
32) 1,1,1-Trichloroethane	7.73	97	21533	4.910	ug/l	99
36) 1,1-Dichloropropene	7.94	75	20013	4.915	ug/l	98
37) Ethyl Acetate	7.10	43	10583	4.446	ug/l	97
38) Carbon Tetrachloride	7.92	117	18967	5.159	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	25924	4.950	ug/l	99
40) Benzene	8.18	78	57218	4.732	ug/l	100
41) Methacrylonitrile	7.34	41	3644m	2.998	ug/l	
42) 1,2-Dichloroethane	8.26	62	16380	4.877	ug/l	99
43) Isopropyl Acetate	8.30	43	20371	4.400	ug/l	98
44) Trichloroethene	8.96	130	15493	4.948	ug/l	87
45) 1,2-Dichloropropane	9.24	63	13524	4.468	ug/l	95
46) Dibromomethane	9.32	93	7916	4.840	ug/l	98
47) Bromodichloromethane	9.52	83	18303	4.650	ug/l	96
48) Methyl methacrylate	9.31	41	9070	4.294	ug/l	99
49) 1,4-Dioxane	9.32	88	2118	93.268	ug/l #	65
51) 4-Methyl-2-Pentanone	10.08	43	51270	21.598	ug/l	100
52) Toluene	10.26	92	36385	4.751	ug/l	98
53) t-1,3-Dichloropropene	10.48	75	20503	4.740	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	23228	4.659	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	11401	4.756	ug/l	97
56) Ethyl methacrylate	10.52	69	15967	4.443	ug/l	97
57) 1,3-Dichloropropane	10.80	76	20461	4.888	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	35033	27.266	ug/l	99
59) 2-Hexanone	10.85	43	36337	21.890	ug/l	98
60) Dibromochloromethane	11.00	129	13146	4.844	ug/l	98
61) 1,2-Dibromoethane	11.10	107	11100	4.871	ug/l	100
64) Tetrachloroethene	10.73	164	12616	5.036	ug/l	98
65) Chlorobenzene	11.53	112	37990	4.673	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	13271	4.783	ug/l	98
67) Ethyl Benzene	11.60	91	71905	4.804	ug/l	97
68) m/p-Xylenes	11.71	106	54041	9.674	ug/l	100
69) o-Xylene	12.04	106	25473	4.746	ug/l	97
70) Styrene	12.05	104	43875	4.675	ug/l	99
71) Bromoform	12.22	173	7218	4.400	ug/l #	94
73) Isopropylbenzene	12.34	105	69529	4.820	ug/l	100
74) N-amyl acetate	12.15	43	18409	4.063	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.60	83	13417	4.460	ug/l	97
76) 1,2,3-Trichloropropane	12.64	75	9354m	4.331	ug/l	
77) Bromobenzene	12.62	156	15236	4.786	ug/l	98
78) n-propylbenzene	12.68	91	83871	4.846	ug/l	100
79) 2-Chlorotoluene	12.77	91	48286	4.877	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	59122	4.910	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	5051	4.434	ug/l	97
82) 4-Chlorotoluene	12.86	91	49798	4.727	ug/l	100
83) tert-Butylbenzene	13.08	119	49919	4.917	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	60421	5.003	ug/l	100
85) sec-Butylbenzene	13.26	105	70777	4.921	ug/l	99
86) p-Isopropyltoluene	13.38	119	63957	5.037	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	30593	5.013	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	29660	4.784	ug/l	92
89) n-Butylbenzene	13.70	91	61775	4.849	ug/l	99
90) Hexachloroethane	13.97	117	11508	4.782	ug/l	96
91) 1,2-Dichlorobenzene	13.75	146	27004	4.807	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.37	75	2693	5.136	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	18498	4.886	ug/l	94
94) Hexachlorobutadiene	15.12	225	9250	4.989	ug/l	99
95) Naphthalene	15.24	128	47531	5.532	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	16274	4.921	ug/l	98

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

