

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY071020\
 Data File : VY003157.D
 Acq On : 10 Jul 2020 11:30
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 7/13/2020 10:47:33 AM

Quant Time: Jul 10 12:56:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 12:43:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	483763	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	702256	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	645048	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	344187	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	42797	9.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.54%	
35) Dibromofluoromethane	7.73	113	41085	9.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.24%	
50) Toluene-d8	10.18	98	157774	9.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.92%	
62) 4-Bromofluorobenzene	12.48	95	56550	10.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.26%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	39237	11.059	ug/l 97
3) Chloromethane	2.12	50	53671	10.178	ug/l 99
4) Vinyl Chloride	2.26	62	51873	10.138	ug/l 95
5) Bromomethane	2.65	94	38870	11.034	ug/l 97
6) Chloroethane	2.80	64	33780	10.305	ug/l 98
7) Trichlorofluoromethane	3.13	101	74048	10.237	ug/l 99
8) Diethyl Ether	3.54	74	24385	9.847	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.90	101	43723	10.086	ug/l 98
10) Methyl Iodide	4.10	142	41887	7.918	ug/l 100
11) Tert butyl alcohol	4.96	59	25309	53.471	ug/l 97
12) 1,1-Dichloroethene	3.88	96	41702	10.111	ug/l 95
13) Acrolein	3.74	56	20826	48.773	ug/l 97
14) Allyl chloride	4.49	41	57196	8.095	ug/l 93
15) Acrylonitrile	5.18	53	57935	45.933	ug/l 97
16) Acetone	3.96	43	46913	43.432	ug/l 98
17) Carbon Disulfide	4.20	76	129001	9.846	ug/l 99
18) Methyl Acetate	4.47	43	25953	8.843	ug/l 99
19) Methyl tert-butyl Ether	5.23	73	114175	9.566	ug/l 100
20) Methylene Chloride	4.72	84	63144	10.125	ug/l 91
21) trans-1,2-Dichloroethene	5.23	96	46883	10.006	ug/l 97
22) Diisopropyl ether	6.13	45	133375	8.756	ug/l 98
23) Vinyl Acetate	6.07	43	439251	43.332	ug/l 97
24) 1,1-Dichloroethane	6.02	63	78672	9.388	ug/l 96
25) 2-Butanone	7.00	43	75519	43.747	ug/l 98
26) 2,2-Dichloropropane	6.99	77	70638	9.281	ug/l 98
27) cis-1,2-Dichloroethene	7.00	96	50870	9.700	ug/l 99
28) Bromochloromethane	7.34	49	36428	9.904	ug/l 99
29) Tetrahydrofuran	7.35	42	51104	44.438	ug/l 97
30) Chloroform	7.52	83	82107	9.845	ug/l 94
31) Cyclohexane	7.79	56	78251	9.488	ug/l # 93
32) 1,1,1-Trichloroethane	7.71	97	72998	9.609	ug/l 98
36) 1,1-Dichloropropene	7.93	75	63902	9.606	ug/l 99
37) Ethyl Acetate	7.08	43	36520	9.319	ug/l 98
38) Carbon Tetrachloride	7.90	117	66346	9.582	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.19	83	80504	9.761	ug/l	100
40) Benzene	8.16	78	178796	9.812	ug/l	98
41) Methacrylonitrile	7.33	41	21427m	10.261	ug/l	
42) 1,2-Dichloroethane	8.24	62	55334	9.665	ug/l	96
43) Isopropyl Acetate	8.28	43	66975	8.986	ug/l	100
44) Trichloroethene	8.94	130	54927	10.283	ug/l	92
45) 1,2-Dichloropropane	9.22	63	46237	9.473	ug/l	96
46) Dibromomethane	9.31	93	26969	9.834	ug/l	98
47) Bromodichloromethane	9.50	83	63568	9.513	ug/l	99
48) Methyl methacrylate	9.30	41	29051	8.562	ug/l	98
49) 1,4-Dioxane	9.30	88	6441	190.191	ug/l #	89
51) 4-Methyl-2-Pentanone	10.07	43	172540	44.698	ug/l	99
52) Toluene	10.24	92	112182	9.746	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	64541	9.228	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	75835	9.481	ug/l	95
55) 1,1,2-Trichloroethane	10.64	97	38844	10.230	ug/l	98
56) Ethyl methacrylate	10.51	69	48584	8.889	ug/l	98
57) 1,3-Dichloropropane	10.79	76	63874	9.575	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	133387	48.139	ug/l	99
59) 2-Hexanone	10.83	43	118592	44.007	ug/l	99
60) Dibromochloromethane	10.99	129	48127	9.880	ug/l	100
61) 1,2-Dibromoethane	11.09	107	36755	9.780	ug/l	98
64) Tetrachloroethene	10.72	164	58634	10.787	ug/l	96
65) Chlorobenzene	11.52	112	126081	10.032	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	48188	9.853	ug/l	98
67) Ethyl Benzene	11.59	91	222582	9.703	ug/l	97
68) m/p-Xylenes	11.70	106	169928	19.914	ug/l	99
69) o-Xylene	12.03	106	77937	9.684	ug/l	98
70) Styrene	12.04	104	132628	9.643	ug/l	98
71) Bromoform	12.20	173	31079	9.564	ug/l #	99
73) Isopropylbenzene	12.33	105	215831	9.689	ug/l	100
74) N-amyl acetate	12.14	43	59109	8.349	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	42677	9.572	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	30958m	9.356	ug/l	
77) Bromobenzene	12.61	156	56699	9.939	ug/l	96
78) n-propylbenzene	12.67	91	256965	9.615	ug/l	98
79) 2-Chlorotoluene	12.75	91	143592	9.629	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	181124	9.701	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	14934	8.772	ug/l	98
82) 4-Chlorotoluene	12.85	91	151112	9.738	ug/l	99
83) tert-Butylbenzene	13.07	119	160797	9.798	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	182081	9.675	ug/l	97
85) sec-Butylbenzene	13.25	105	222368	9.842	ug/l	100
86) p-Isopropyltoluene	13.37	119	205605	9.809	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	105605	9.913	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	108103	10.293	ug/l	99
89) n-Butylbenzene	13.69	91	195933	9.796	ug/l	98
90) Hexachloroethane	13.96	117	36874	8.956	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	94949	9.977	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	7134	9.243	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	67755	9.646	ug/l	99
94) Hexachlorobutadiene	15.11	225	46693	10.415	ug/l	100
95) Naphthalene	15.23	128	111607	8.871	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	53778	8.976	ug/l	98

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

