

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112020\
 Data File : VY003558.D
 Acq On : 20 Nov 2020 10:36
 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
 11/23/2020 1:39:21 PM

Quant Time: Nov 21 00:45:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112020S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 21 00:32:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	152189	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	229297	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	205484	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	102276	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	16839	10.66	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	21.32%#
35) Dibromofluoromethane	7.72	113	15766	10.46	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	20.92%#
50) Toluene-d8	10.18	98	62118	10.60	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	21.20%#
62) 4-Bromofluorobenzene	12.48	95	19213	10.33	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	20.66%#

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.92	85	4430	9.877	ug/l 96
3) Chloromethane	2.12	50	10985	10.405	ug/l 98
4) Vinyl Chloride	2.26	62	13953	10.216	ug/l 96
5) Bromomethane	2.66	94	12016	10.518	ug/l 92
6) Chloroethane	2.80	64	9671	10.097	ug/l # 88
7) Trichlorofluoromethane	3.13	101	11921	9.894	ug/l 98
8) Diethyl Ether	3.53	74	9322	10.667	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.91	101	14352	10.378	ug/l 98
10) Methyl Iodide	4.10	142	25118	10.526	ug/l 98
11) Tert butyl alcohol	5.01	59	5987	39.769	ug/l # 100
12) 1,1-Dichloroethene	3.88	96	15581	10.398	ug/l 94
13) Acrolein	3.74	56	7996	53.033	ug/l 97
14) Allyl chloride	4.49	41	26541	10.566	ug/l 97
15) Acrylonitrile	5.18	53	22326	54.302	ug/l 98
16) Acetone	3.97	43	25768	48.838	ug/l # 85
17) Carbon Disulfide	4.20	76	45396	10.524	ug/l 100
18) Methyl Acetate	4.50	43	11882	10.352	ug/l 98
19) Methyl tert-butyl Ether	5.24	73	23433	10.536	ug/l 98
20) Methylene Chloride	4.72	84	21732	10.846	ug/l 93
21) trans-1,2-Dichloroethene	5.22	96	17599	10.504	ug/l 96
22) Diisopropyl ether	6.13	45	44113	10.245	ug/l 93
23) Vinyl Acetate	6.07	43	176590	52.764	ug/l 100
24) 1,1-Dichloroethane	6.02	63	30158	10.523	ug/l 98
25) 2-Butanone	7.00	43	34683	50.659	ug/l 98
26) 2,2-Dichloropropane	6.99	77	20810	11.104	ug/l 96
27) cis-1,2-Dichloroethene	7.00	96	19051	10.488	ug/l 99
28) Bromochloromethane	7.34	49	13850	9.872	ug/l 98
29) Tetrahydrofuran	7.36	42	19088	53.220	ug/l 99
30) Chloroform	7.52	83	30577	10.692	ug/l 98
31) Cyclohexane	7.79	56	23506	10.289	ug/l # 93
32) 1,1,1-Trichloroethane	7.71	97	23176	10.487	ug/l 98
36) 1,1-Dichloropropene	7.93	75	23743	10.518	ug/l 98
37) Ethyl Acetate	7.08	43	14515	10.670	ug/l 96
38) Carbon Tetrachloride	7.90	117	20892	9.991	ug/l 91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	21721	9.468	ug/l	94
40) Benzene	8.16	78	69968	10.456	ug/l	100
41) Methacrylonitrile	7.32	41	7614m	11.383	ug/l	
42) 1,2-Dichloroethane	8.24	62	20664	10.855	ug/l	98
43) Isopropyl Acetate	8.28	43	26593	10.646	ug/l #	92
44) Trichloroethene	8.94	130	19299	10.584	ug/l	94
45) 1,2-Dichloropropane	9.22	63	17302	10.430	ug/l	90
46) Dibromomethane	9.31	93	9944	10.526	ug/l	98
47) Bromodichloromethane	9.50	83	23448	10.450	ug/l	98
48) Methyl methacrylate	9.30	41	12638	10.570	ug/l	93
49) 1,4-Dioxane	9.32	88	2199	203.164	ug/l #	80
51) 4-Methyl-2-Pentanone	10.07	43	60141	50.237	ug/l	98
52) Toluene	10.24	92	42436	10.357	ug/l	95
53) t-1,3-Dichloropropene	10.46	75	24216	10.312	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	27270	10.202	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	14065	10.497	ug/l	97
56) Ethyl methacrylate	10.51	69	15949	9.795	ug/l	99
57) 1,3-Dichloropropane	10.79	76	23436	10.334	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	42520	50.885	ug/l	99
59) 2-Hexanone	10.83	43	48922	49.573	ug/l	98
60) Dibromochloromethane	10.99	129	16746	10.337	ug/l	99
61) 1,2-Dibromoethane	11.09	107	13811	10.696	ug/l	97
64) Tetrachloroethene	10.72	164	15961	10.399	ug/l	98
65) Chlorobenzene	11.52	112	47380	10.657	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.59	131	13390	10.496	ug/l	98
67) Ethyl Benzene	11.59	91	74745	10.260	ug/l	97
68) m/p-Xylenes	11.70	106	57119	20.476	ug/l	99
69) o-Xylene	12.03	106	22194	9.947	ug/l	98
70) Styrene	12.04	104	45235	10.058	ug/l	99
71) Bromoform	12.20	173	11020	10.697	ug/l #	96
73) Isopropylbenzene	12.33	105	50396	9.892	ug/l	100
74) N-amyl acetate	12.14	43	19318	9.575	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	14509	10.235	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	11927m	11.438	ug/l	
77) Bromobenzene	12.61	156	19629	10.472	ug/l	99
78) n-propylbenzene	12.67	91	71126	9.938	ug/l	99
79) 2-Chlorotoluene	12.75	91	41899	10.142	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	39026	10.192	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	6239	10.003	ug/l	97
82) 4-Chlorotoluene	12.85	91	50893	10.055	ug/l	100
83) tert-Butylbenzene	13.07	119	38954	10.050	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	41618	10.208	ug/l	99
85) sec-Butylbenzene	13.25	105	45465	10.363	ug/l	98
86) p-Isopropyltoluene	13.36	119	40264	10.229	ug/l	97
87) 1,3-Dichlorobenzene	13.36	146	35169	10.308	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	35919	10.273	ug/l	96
89) n-Butylbenzene	13.69	91	41433	9.837	ug/l	100
90) Hexachloroethane	13.95	117	10587	10.171	ug/l	97
91) 1,2-Dichlorobenzene	13.73	146	28627	10.512	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.35	75	1969	10.664	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	15158	9.924	ug/l	98
94) Hexachlorobutadiene	15.11	225	9806	11.295	ug/l	97
95) Naphthalene	15.23	128	25351	9.727	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	11377	10.133	ug/l	99

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

