

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030420\
 Data File : VY001843.D
 Acq On : 04 Mar 2020 10:50
 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
 3/5/2020 1:37:06 PM

Quant Time: Mar 04 17:34:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 17:21:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	177916	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	316156	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	288278	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	133387	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	20566	10.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.70%	
35) Dibromofluoromethane	7.75	113	18713	10.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.68%	
50) Toluene-d8	10.19	98	78501	10.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.58%	
62) 4-Bromofluorobenzene	12.49	95	27207	10.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	17040	10.540	ug/l	94
3) Chloromethane	2.13	50	23326	10.796	ug/l	99
4) Vinyl Chloride	2.27	62	23256	10.549	ug/l	99
5) Bromomethane	2.67	94	15906	11.012	ug/l	100
6) Chloroethane	2.81	64	15085	10.801	ug/l	98
7) Trichlorofluoromethane	3.15	101	31515	10.383	ug/l	100
8) Diethyl Ether	3.56	74	12465	10.564	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.93	101	20379	10.572	ug/l	98
10) Methyl Iodide	4.12	142	21741	9.718	ug/l	99
11) Tert butyl alcohol	5.00	59	14016	64.180	ug/l	96
12) 1,1-Dichloroethene	3.90	96	19747	10.150	ug/l	95
13) Acrolein	3.76	56	14857	56.155	ug/l	97
14) Allyl chloride	4.51	41	36077	10.367	ug/l	99
15) Acrylonitrile	5.21	53	33974	53.898	ug/l	99
16) Acetone	3.98	43	29410	54.356	ug/l	100
17) Carbon Disulfide	4.22	76	67019	10.287	ug/l	99
18) Methyl Acetate	4.51	43	15190	10.959	ug/l	96
19) Methyl tert-butyl Ether	5.26	73	55075	10.449	ug/l	99
20) Methylene Chloride	4.75	84	25308	10.795	ug/l	98
21) trans-1,2-Dichloroethene	5.25	96	22593	10.268	ug/l	99
22) Diisopropyl ether	6.16	45	75772	10.789	ug/l	97
23) Vinyl Acetate	6.10	43	246479	53.437	ug/l	100
24) 1,1-Dichloroethane	6.05	63	39554	10.413	ug/l	99
25) 2-Butanone	7.02	43	45547	54.651	ug/l	100
26) 2,2-Dichloropropane	7.02	77	32595	10.321	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	24876	10.410	ug/l	98
28) Bromochloromethane	7.36	49	17925	10.311	ug/l	99
29) Tetrahydrofuran	7.38	42	30947	56.406	ug/l	96
30) Chloroform	7.53	83	37662	10.459	ug/l	98
31) Cyclohexane	7.81	56	43457	10.613	ug/l #	90
32) 1,1,1-Trichloroethane	7.73	97	31721	10.423	ug/l	98
36) 1,1-Dichloropropene	7.94	75	30677	10.330	ug/l	98
37) Ethyl Acetate	7.10	43	19803	11.197	ug/l	99
38) Carbon Tetrachloride	7.93	117	26983	10.618	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	42117	10.611	ug/l	96
40) Benzene	8.18	78	93889	10.635	ug/l	99
41) Methacrylonitrile	7.34	41	8846m	4.227	ug/l	
42) 1,2-Dichloroethane	8.25	62	24498	10.751	ug/l	99
43) Isopropyl Acetate	8.29	43	36675	11.149	ug/l	98
44) Trichloroethene	8.96	130	23036	10.691	ug/l	95
45) 1,2-Dichloropropane	9.23	63	23515	10.555	ug/l	98
46) Dibromomethane	9.32	93	12897	11.173	ug/l	94
47) Bromodichloromethane	9.51	83	28276	10.598	ug/l #	97
48) Methyl methacrylate	9.30	41	15829	10.618	ug/l	95
49) 1,4-Dioxane	9.31	88	3520	231.279	ug/l #	96
51) 4-Methyl-2-Pentanone	10.08	43	95855	56.548	ug/l	99
52) Toluene	10.25	92	56210	10.501	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	30275	10.390	ug/l	97
54) cis-1,3-Dichloropropene	9.94	75	36129	10.403	ug/l	98
55) 1,1,2-Trichloroethane	10.65	97	18352	10.897	ug/l	97
56) Ethyl methacrylate	10.52	69	25612	10.436	ug/l	93
57) 1,3-Dichloropropane	10.80	76	32394	10.861	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	67963	68.263	ug/l	100
59) 2-Hexanone	10.84	43	67442	55.956	ug/l	99
60) Dibromochloromethane	10.99	129	18336	10.359	ug/l	98
61) 1,2-Dibromoethane	11.10	107	16987	10.792	ug/l	97
64) Tetrachloroethene	10.72	164	19263	10.832	ug/l	88
65) Chlorobenzene	11.52	112	58745	10.439	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.60	131	19012	10.359	ug/l	97
67) Ethyl Benzene	11.60	91	109434	10.406	ug/l	98
68) m/p-Xylenes	11.70	106	82006	21.071	ug/l	100
69) o-Xylene	12.03	106	37708	10.301	ug/l	98
70) Styrene	12.05	104	64487	10.185	ug/l	100
71) Bromoform	12.21	173	10213	10.173	ug/l #	99
73) Isopropylbenzene	12.33	105	104632	10.445	ug/l	99
74) N-amyl acetate	12.15	43	32753	10.663	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	23364	10.820	ug/l	97
76) 1,2,3-Trichloropropane	12.64	75	18383m	7.254	ug/l	
77) Bromobenzene	12.61	156	22291	10.480	ug/l	99
78) n-propylbenzene	12.67	91	128861	10.430	ug/l	100
79) 2-Chlorotoluene	12.76	91	72130	10.555	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	85680	10.445	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	7944	10.247	ug/l	97
82) 4-Chlorotoluene	12.86	91	73687	10.411	ug/l	99
83) tert-Butylbenzene	13.08	119	73352	10.703	ug/l	96
84) 1,2,4-Trimethylbenzene	13.13	105	85964	10.482	ug/l	99
85) sec-Butylbenzene	13.26	105	106205	10.494	ug/l	100
86) p-Isopropyltoluene	13.38	119	92747	10.671	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	45623	10.918	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	45083	10.732	ug/l	96
89) n-Butylbenzene	13.70	91	94814	10.575	ug/l	99
90) Hexachloroethane	13.97	117	16735	10.277	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	40407	10.720	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	3700	11.014	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	26918	10.944	ug/l	97
94) Hexachlorobutadiene	15.12	225	13068	10.923	ug/l	97
95) Naphthalene	15.24	128	63253	10.935	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	24114	11.098	ug/l	96

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

