

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031920\
 Data File : VY002015.D
 Acq On : 19 Mar 2020 12:52
 Operator : SY/MD
 Sample : VY0319SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0319SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/20/2020 12:06:15 PM

Quant Time: Mar 20 02:34:11 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	7.82	168	152852	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	279390	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	251341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	117350	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	88029	53.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.90%	
35) Dibromofluoromethane	7.75	113	81341	53.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.64%	
50) Toluene-d8	10.20	98	337599	52.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.96%	
62) 4-Bromofluorobenzene	12.49	95	118861	53.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	26537	18.808	ug/l	99
3) Chloromethane	2.13	50	37382	19.651	ug/l	95
4) Vinyl Chloride	2.27	62	38884	20.096	ug/l	98
5) Bromomethane	2.66	94	25811	19.238	ug/l	90
6) Chloroethane	2.82	64	24726	20.343	ug/l	94
7) Trichlorofluoromethane	3.15	101	52369	19.957	ug/l	95
8) Diethyl Ether	3.55	74	21709	20.990	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.93	101	35255	20.888	ug/l	98
10) Methyl Iodide	4.13	142	38318	19.632	ug/l	99
11) Tert butyl alcohol	4.97	59	37507	217.981	ug/l #	91
12) 1,1-Dichloroethene	3.91	96	35532	20.908	ug/l	97
13) Acrolein	3.76	56	18588	81.062	ug/l	95
14) Allyl chloride	4.51	41	63794	21.174	ug/l	100
15) Acrylonitrile	5.21	53	59083	106.905	ug/l	100
16) Acetone	3.98	43	48351	101.732	ug/l	94
17) Carbon Disulfide	4.23	76	107502	18.817	ug/l	99
18) Methyl Acetate	4.52	43	26271	21.513	ug/l	95
19) Methyl tert-butyl Ether	5.26	73	98417	21.370	ug/l	92
20) Methylene Chloride	4.75	84	44814	22.001	ug/l	98
21) trans-1,2-Dichloroethene	5.26	96	39917	20.694	ug/l	98
22) Diisopropyl ether	6.16	45	133987	21.696	ug/l	99
23) Vinyl Acetate	6.10	43	425221	105.030	ug/l	98
24) 1,1-Dichloroethane	6.06	63	70958	21.217	ug/l	96
25) 2-Butanone	7.02	43	76509	105.856	ug/l	95
26) 2,2-Dichloropropane	7.02	77	60239	21.946	ug/l	98
27) cis-1,2-Dichloroethene	7.02	96	45263	21.572	ug/l	98
28) Bromochloromethane	7.37	49	34595	22.950	ug/l	98
29) Tetrahydrofuran	7.38	42	50001	104.177	ug/l	98
30) Chloroform	7.54	83	67684	21.541	ug/l	96
31) Cyclohexane	7.82	56	73078	20.380	ug/l	97
32) 1,1,1-Trichloroethane	7.74	97	56828	21.459	ug/l	99
36) 1,1-Dichloropropene	7.95	75	55549	20.661	ug/l	100
37) Ethyl Acetate	7.10	43	34169	21.867	ug/l	99
38) Carbon Tetrachloride	7.93	117	47971	20.887	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	71439	20.034	ug/l	98
40) Benzene	8.19	78	164625	20.658	ug/l	99
41) Methacrylonitrile	7.36	41	19261m	27.389	ug/l	
42) 1,2-Dichloroethane	8.26	62	44212	21.530	ug/l	99
43) Isopropyl Acetate	8.30	43	60497	20.449	ug/l	99
44) Trichloroethene	8.96	130	40697	20.969	ug/l	90
45) 1,2-Dichloropropane	9.24	63	43212	21.571	ug/l	99
46) Dibromomethane	9.33	93	21840	21.156	ug/l	98
47) Bromodichloromethane	9.52	83	50863	21.181	ug/l	100
48) Methyl methacrylate	9.32	41	26944	20.525	ug/l	94
49) 1,4-Dioxane	9.32	88	5738	405.644	ug/l	95
51) 4-Methyl-2-Pentanone	10.09	43	169971	111.543	ug/l	99
52) Toluene	10.26	92	100149	20.688	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	56132	21.455	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	65957	21.177	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	32450	21.479	ug/l	97
56) Ethyl methacrylate	10.52	69	46274	20.896	ug/l	96
57) 1,3-Dichloropropane	10.81	76	57314	21.282	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	125974	149.854	ug/l	99
59) 2-Hexanone	10.85	43	109663	100.828	ug/l	100
60) Dibromochloromethane	11.00	129	33412	20.988	ug/l	100
61) 1,2-Dibromoethane	11.10	107	29986	20.953	ug/l	100
64) Tetrachloroethene	10.74	164	33462	21.229	ug/l	95
65) Chlorobenzene	11.53	112	107141	21.394	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.61	131	35274	21.478	ug/l	99
67) Ethyl Benzene	11.61	91	198274	21.228	ug/l	97
68) m/p-Xylenes	11.72	106	145515	42.140	ug/l	99
69) o-Xylene	12.04	106	68469	21.037	ug/l	100
70) Styrene	12.06	104	118210	21.206	ug/l	99
71) Bromoform	12.22	173	18577	20.858	ug/l #	99
73) Isopropylbenzene	12.34	105	187337	20.912	ug/l	100
74) N-amyl acetate	12.16	43	55494	20.156	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	39945	20.677	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	28188m	20.244	ug/l	
77) Bromobenzene	12.62	156	40350	21.260	ug/l	96
78) n-propylbenzene	12.68	91	231547	20.951	ug/l	99
79) 2-Chlorotoluene	12.77	91	126781	20.764	ug/l	99
80) 1,3,5-Trimethylbenzene	12.83	105	155095	21.030	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	13635	19.780	ug/l	95
82) 4-Chlorotoluene	12.86	91	133762	21.040	ug/l	100
83) tert-Butylbenzene	13.09	119	132318	21.602	ug/l	96
84) 1,2,4-Trimethylbenzene	13.13	105	154684	21.135	ug/l	100
85) sec-Butylbenzene	13.27	105	192118	21.279	ug/l	100
86) p-Isopropyltoluene	13.38	119	167703	21.532	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	79691	21.427	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	79807	21.151	ug/l	99
89) n-Butylbenzene	13.70	91	171040	21.167	ug/l	99
90) Hexachloroethane	13.97	117	31284	21.292	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	72128	21.347	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.37	75	5867	19.463	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	47256	21.566	ug/l	99
94) Hexachlorobutadiene	15.12	225	22834	21.374	ug/l	99
95) Naphthalene	15.25	128	105718	20.340	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	41259	21.374	ug/l	99

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

