

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040320\
 Data File : VY002211.D
 Acq On : 03 Apr 2020 11:53
 Operator : SY/MD
 Sample : VY0403SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0403SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/6/2020 11:30:28 AM

Quant Time: Apr 04 00:42:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 07:11:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	150932	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	275121	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	248731	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	111542	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	81603	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
35) Dibromofluoromethane	7.74	113	76621	49.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.40%	
50) Toluene-d8	10.19	98	319350	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
62) 4-Bromofluorobenzene	12.49	95	110037	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	29917	27.373	ug/l	98
3) Chloromethane	2.13	50	38815	22.006	ug/l	99
4) Vinyl Chloride	2.27	62	40119	22.364	ug/l	99
5) Bromomethane	2.66	94	26849	22.934	ug/l	96
6) Chloroethane	2.81	64	24566	21.327	ug/l	96
7) Trichlorofluoromethane	3.15	101	52490	21.352	ug/l	98
8) Diethyl Ether	3.55	74	22277	21.395	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.93	101	34752	21.547	ug/l	98
10) Methyl Iodide	4.11	142	37667	19.640	ug/l	98
11) Tert butyl alcohol	4.99	59	29532	150.195	ug/l #	85
12) 1,1-Dichloroethene	3.90	96	34869	21.291	ug/l	92
13) Acrolein	3.76	56	21075	85.758	ug/l	99
14) Allyl chloride	4.51	41	61261	20.433	ug/l	99
15) Acrylonitrile	5.20	53	58404	107.019	ug/l	99
16) Acetone	3.97	43	49137	104.822	ug/l	98
17) Carbon Disulfide	4.22	76	113690	20.918	ug/l	100
18) Methyl Acetate	4.51	43	28009	23.010	ug/l	99
19) Methyl tert-butyl Ether	5.25	73	96287	21.075	ug/l	98
20) Methylene Chloride	4.74	84	46842	21.183	ug/l	95
21) trans-1,2-Dichloroethene	5.25	96	38993	20.911	ug/l	90
22) Diisopropyl ether	6.15	45	125346	20.429	ug/l	91
23) Vinyl Acetate	6.09	43	413975	102.892	ug/l	97
24) 1,1-Dichloroethane	6.05	63	67564	20.711	ug/l	99
25) 2-Butanone	7.01	43	75647	105.095	ug/l	99
26) 2,2-Dichloropropane	7.01	77	57444	21.380	ug/l	99
27) cis-1,2-Dichloroethene	7.01	96	42114	20.529	ug/l	96
28) Bromochloromethane	7.35	49	28705	19.274	ug/l	97
29) Tetrahydrofuran	7.37	42	48930	103.682	ug/l	97
30) Chloroform	7.53	83	63358	20.490	ug/l	98
31) Cyclohexane	7.80	56	71516	20.573	ug/l #	89
32) 1,1,1-Trichloroethane	7.72	97	52985	20.523	ug/l	100
36) 1,1-Dichloropropene	7.94	75	54220	20.836	ug/l	98
37) Ethyl Acetate	7.10	43	33015	20.994	ug/l	97
38) Carbon Tetrachloride	7.92	117	46228	20.938	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	70998	20.800	ug/l	96
40) Benzene	8.18	78	160761	20.856	ug/l	99
41) Methacrylonitrile	7.34	41	17788m	22.362	ug/l	
42) 1,2-Dichloroethane	8.25	62	42168	20.605	ug/l	100
43) Isopropyl Acetate	8.29	43	58952	20.198	ug/l	99
44) Trichloroethene	8.96	130	40202	21.636	ug/l	99
45) 1,2-Dichloropropane	9.23	63	41314	21.050	ug/l	94
46) Dibromomethane	9.32	93	21251	21.083	ug/l	98
47) Bromodichloromethane	9.51	83	48943	20.858	ug/l	98
48) Methyl methacrylate	9.30	41	26158	19.999	ug/l	97
49) 1,4-Dioxane	9.32	88	5813	420.271	ug/l	96
51) 4-Methyl-2-Pentanone	10.08	43	166673	110.900	ug/l	98
52) Toluene	10.25	92	98421	21.111	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	52802	20.274	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	63424	20.684	ug/l	96
55) 1,1,2-Trichloroethane	10.66	97	30378	20.363	ug/l	92
56) Ethyl methacrylate	10.52	69	45497	20.881	ug/l	95
57) 1,3-Dichloropropane	10.80	76	55508	21.060	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	115688	103.329	ug/l	99
59) 2-Hexanone	10.85	43	111538	105.356	ug/l	100
60) Dibromochloromethane	11.00	129	32280	20.678	ug/l	99
61) 1,2-Dibromoethane	11.10	107	29207	20.917	ug/l	98
64) Tetrachloroethene	10.73	164	34094	22.404	ug/l	98
65) Chlorobenzene	11.53	112	102469	21.342	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.60	131	33906	21.108	ug/l	99
67) Ethyl Benzene	11.60	91	189034	21.199	ug/l	100
68) m/p-Xylenes	11.71	106	139790	42.398	ug/l	98
69) o-Xylene	12.04	106	65686	21.002	ug/l	98
70) Styrene	12.05	104	114086	21.051	ug/l	100
71) Bromoform	12.22	173	18200	20.687	ug/l #	99
73) Isopropylbenzene	12.34	105	177474	21.449	ug/l	100
74) N-amyl acetate	12.16	43	52401	20.080	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	38258	21.487	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	26089m	20.910	ug/l	
77) Bromobenzene	12.62	156	37782	21.390	ug/l	99
78) n-propylbenzene	12.68	91	219534	21.380	ug/l	100
79) 2-Chlorotoluene	12.77	91	119817	21.252	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	146812	21.506	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	13824	21.465	ug/l	98
82) 4-Chlorotoluene	12.86	91	125407	21.109	ug/l	99
83) tert-Butylbenzene	13.08	119	127328	22.345	ug/l	97
84) 1,2,4-Trimethylbenzene	13.13	105	148655	21.826	ug/l	99
85) sec-Butylbenzene	13.27	105	183109	21.695	ug/l	100
86) p-Isopropyltoluene	13.38	119	158212	21.829	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	74671	21.610	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	75150	21.613	ug/l	98
89) n-Butylbenzene	13.70	91	161175	21.343	ug/l	100
90) Hexachloroethane	13.97	117	29245	21.414	ug/l	100
91) 1,2-Dichlorobenzene	13.75	146	69045	21.637	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	6140	21.528	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	43980	21.383	ug/l	96
94) Hexachlorobutadiene	15.13	225	20910	20.596	ug/l	99
95) Naphthalene	15.25	128	102532	20.989	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	38971	20.895	ug/l	99

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

