

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041620\
 Data File : VY002357.D
 Acq On : 16 Apr 2020 11:34
 Operator : SY/MD
 Sample : VY0416SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0416SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/17/2020 11:52:04 AM

Quant Time: Apr 17 07:26:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	162718	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	290616	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	258634	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	115431	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	78849	43.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.14%	
35) Dibromofluoromethane	7.73	113	88094	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
50) Toluene-d8	10.18	98	368237	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
62) 4-Bromofluorobenzene	12.49	95	121468	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	31173	18.956	ug/l	96
3) Chloromethane	2.11	50	41345	19.976	ug/l	97
4) Vinyl Chloride	2.26	62	43113	19.570	ug/l	99
5) Bromomethane	2.65	94	28115	20.667	ug/l	98
6) Chloroethane	2.80	64	25465	20.043	ug/l	99
7) Trichlorofluoromethane	3.13	101	57610	20.249	ug/l	95
8) Diethyl Ether	3.54	74	24057	19.890	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.91	101	40383	20.896	ug/l	100
10) Methyl Iodide	4.10	142	42740	19.026	ug/l	96
11) Tert butyl alcohol	4.96	59	21242	88.575	ug/l #	86
12) 1,1-Dichloroethene	3.88	96	42553	21.658	ug/l	90
13) Acrolein	3.74	56	17278	74.054	ug/l	94
14) Allyl chloride	4.49	41	59322	18.697	ug/l	95
15) Acrylonitrile	5.17	53	54158	87.563	ug/l	99
16) Acetone	3.96	43	38940	81.703	ug/l #	87
17) Carbon Disulfide	4.20	76	134266	20.577	ug/l	99
18) Methyl Acetate	4.49	43	23947	16.199	ug/l	96
19) Methyl tert-butyl Ether	5.24	73	95477	18.484	ug/l	99
20) Methylene Chloride	4.72	84	50739	21.660	ug/l	96
21) trans-1,2-Dichloroethene	5.23	96	45757	20.748	ug/l	98
22) Diisopropyl ether	6.13	45	120630	18.893	ug/l	98
23) Vinyl Acetate	6.07	43	353057	86.769	ug/l	99
24) 1,1-Dichloroethane	6.03	63	73012	20.104	ug/l	99
25) 2-Butanone	7.00	43	60094	79.674	ug/l	99
26) 2,2-Dichloropropane	6.99	77	59909	19.720	ug/l	97
27) cis-1,2-Dichloroethene	7.00	96	49808	20.719	ug/l	94
28) Bromochloromethane	7.35	49	29825	19.024	ug/l	96
29) Tetrahydrofuran	7.35	42	38582	77.385	ug/l	95
30) Chloroform	7.52	83	67688	19.772	ug/l	94
31) Cyclohexane	7.79	56	75121	19.705	ug/l	87
32) 1,1,1-Trichloroethane	7.71	97	57937	20.332	ug/l	98
36) 1,1-Dichloropropene	7.92	75	58384	20.396	ug/l	99
37) Ethyl Acetate	7.08	43	26689	16.320	ug/l	98
38) Carbon Tetrachloride	7.91	117	50459	20.608	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	80365	20.639	ug/l	94
40) Benzene	8.17	78	181223	20.866	ug/l	99
41) Methacrylonitrile	7.34	41	18111m	18.774	ug/l	
42) 1,2-Dichloroethane	8.24	62	39147	18.196	ug/l	96
43) Isopropyl Acetate	8.28	43	48070	16.118	ug/l	94
44) Trichloroethene	8.94	130	52363	20.507	ug/l	92
45) 1,2-Dichloropropane	9.22	63	43097	20.000	ug/l	100
46) Dibromomethane	9.31	93	22063	19.582	ug/l	99
47) Bromodichloromethane	9.50	83	51259	19.828	ug/l	97
48) Methyl methacrylate	9.30	41	20759	15.523	ug/l	90
49) 1,4-Dioxane	9.30	88	5720	358.897	ug/l	96
51) 4-Methyl-2-Pentanone	10.07	43	123914	79.734	ug/l	98
52) Toluene	10.25	92	111090	21.225	ug/l	97
53) t-1,3-Dichloropropene	10.47	75	53405	18.960	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	67702	19.992	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	32329	19.599	ug/l	99
56) Ethyl methacrylate	10.52	69	42878	18.213	ug/l	92
57) 1,3-Dichloropropane	10.80	76	55903	19.281	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.79	63	115960	95.114	ug/l	99
59) 2-Hexanone	10.83	43	84163	78.031	ug/l	96
60) Dibromochloromethane	10.99	129	34161	19.422	ug/l	99
61) 1,2-Dibromoethane	11.10	107	30085	19.158	ug/l	99
64) Tetrachloroethene	10.72	164	54979	21.026	ug/l	99
65) Chlorobenzene	11.52	112	112889	20.998	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	37108	20.906	ug/l	98
67) Ethyl Benzene	11.59	91	205589	20.889	ug/l	99
68) m/p-Xylenes	11.70	106	157567	42.744	ug/l	97
69) o-Xylene	12.03	106	72776	21.028	ug/l	96
70) Styrene	12.05	104	124851	20.793	ug/l	98
71) Bromoform	12.21	173	18398	19.060	ug/l #	100
73) Isopropylbenzene	12.33	105	195857	21.598	ug/l	99
74) N-amyl acetate	12.15	43	42774	16.617	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.59	83	21833	19.900	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	24032m	17.929	ug/l	
77) Bromobenzene	12.61	156	41765	20.934	ug/l	96
78) n-propylbenzene	12.67	91	239879	21.269	ug/l	100
79) 2-Chlorotoluene	12.76	91	127061	20.730	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	159210	21.229	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	12924	18.753	ug/l	98
82) 4-Chlorotoluene	12.86	91	134048	20.866	ug/l	100
83) tert-Butylbenzene	13.08	119	131994	21.011	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	157723	21.060	ug/l	100
85) sec-Butylbenzene	13.26	105	199048	21.270	ug/l	99
86) p-Isopropyltoluene	13.38	119	172550	21.423	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	82161	21.249	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	81240	20.699	ug/l	99
89) n-Butylbenzene	13.70	91	173285	20.989	ug/l	99
90) Hexachloroethane	13.97	117	31773	20.702	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	71958	20.481	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	4432	16.702	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	44553	19.400	ug/l	97
94) Hexachlorobutadiene	15.12	225	23125	19.993	ug/l	98
95) Naphthalene	15.25	128	86984	17.299	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	36104	18.106	ug/l	100

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

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