

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040620\
 Data File : VY002229.D
 Acq On : 06 Apr 2020 12:18
 Operator : SY/MD
 Sample : VY0406SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0406SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/7/2020 7:06:25 PM

Quant Time: Apr 07 04:55:43 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	164807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	298405	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	269025	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	124956	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	90547	49.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.40%	
35) Dibromofluoromethane	7.74	113	86184	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
50) Toluene-d8	10.19	98	346908	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
62) 4-Bromofluorobenzene	12.48	95	122947	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	31772	26.373	ug/l	98
3) Chloromethane	2.12	50	40223	20.884	ug/l	98
4) Vinyl Chloride	2.26	62	40222	20.534	ug/l	97
5) Bromomethane	2.66	94	26351	20.614	ug/l	96
6) Chloroethane	2.80	64	25416	20.207	ug/l	93
7) Trichlorofluoromethane	3.14	101	59228	22.065	ug/l	98
8) Diethyl Ether	3.54	74	24387	21.450	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.92	101	37923	21.533	ug/l	99
10) Methyl Iodide	4.11	142	41307	19.725	ug/l	99
11) Tert butyl alcohol	4.97	59	26101	121.570	ug/l #	92
12) 1,1-Dichloroethene	3.89	96	38591	21.580	ug/l	95
13) Acrolein	3.75	56	21937	81.750	ug/l	98
14) Allyl chloride	4.50	41	65174	19.908	ug/l	98
15) Acrylonitrile	5.19	53	63898	107.229	ug/l	99
16) Acetone	3.97	43	49277	96.270	ug/l	98
17) Carbon Disulfide	4.21	76	122555	20.650	ug/l	98
18) Methyl Acetate	4.50	43	28315	21.303	ug/l	98
19) Methyl tert-butyl Ether	5.24	73	106695	21.387	ug/l	95
20) Methylene Chloride	4.74	84	46211	18.588	ug/l	95
21) trans-1,2-Dichloroethene	5.24	96	43009	21.123	ug/l	97
22) Diisopropyl ether	6.14	45	137092	20.462	ug/l	95
23) Vinyl Acetate	6.08	43	449239	102.257	ug/l	97
24) 1,1-Dichloroethane	6.04	63	74555	20.930	ug/l	99
25) 2-Butanone	7.00	43	79094	100.633	ug/l	97
26) 2,2-Dichloropropane	7.00	77	60968	20.781	ug/l	99
27) cis-1,2-Dichloroethene	7.01	96	47435	21.176	ug/l	98
28) Bromochloromethane	7.35	49	31612	19.439	ug/l	97
29) Tetrahydrofuran	7.36	42	52996	102.844	ug/l	97
30) Chloroform	7.52	83	70249	20.806	ug/l	99
31) Cyclohexane	7.80	56	75608	19.919	ug/l	98
32) 1,1,1-Trichloroethane	7.72	97	58129	20.620	ug/l	99
36) 1,1-Dichloropropene	7.93	75	58444	20.707	ug/l	99
37) Ethyl Acetate	7.10	43	36568	21.439	ug/l	99
38) Carbon Tetrachloride	7.91	117	50459	21.071	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	77031	20.806	ug/l	98
40) Benzene	8.17	78	174015	20.814	ug/l	99
41) Methacrylonitrile	7.35	41	21102m	24.459	ug/l	
42) 1,2-Dichloroethane	8.25	62	45433	20.468	ug/l	98
43) Isopropyl Acetate	8.28	43	64099	20.248	ug/l	99
44) Trichloroethene	8.96	130	42357	21.017	ug/l	98
45) 1,2-Dichloropropane	9.23	63	44900	21.092	ug/l	98
46) Dibromomethane	9.31	93	22933	20.977	ug/l	98
47) Bromodichloromethane	9.51	83	53436	20.996	ug/l	96
48) Methyl methacrylate	9.30	41	29748	20.969	ug/l	98
49) 1,4-Dioxane	9.31	88	6261	417.340	ug/l	96
51) 4-Methyl-2-Pentanone	10.08	43	172183	105.627	ug/l	99
52) Toluene	10.25	92	106156	20.993	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	58489	20.705	ug/l	95
54) cis-1,3-Dichloropropene	9.94	75	68547	20.610	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	33949	20.981	ug/l	92
56) Ethyl methacrylate	10.52	69	48553	20.544	ug/l	97
57) 1,3-Dichloropropane	10.80	76	59173	20.699	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	129201	106.394	ug/l	100
59) 2-Hexanone	10.84	43	116879	101.787	ug/l	98
60) Dibromochloromethane	10.99	129	35670	21.067	ug/l	97
61) 1,2-Dibromoethane	11.09	107	32028	21.148	ug/l	99
64) Tetrachloroethene	10.72	164	36098	21.931	ug/l	96
65) Chlorobenzene	11.52	112	108570	20.907	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	37157	21.387	ug/l	99
67) Ethyl Benzene	11.59	91	202592	21.005	ug/l	99
68) m/p-Xylenes	11.70	106	150880	42.310	ug/l	99
69) o-Xylene	12.03	106	70909	20.962	ug/l	97
70) Styrene	12.05	104	124334	21.211	ug/l	99
71) Bromoform	12.21	173	19759	20.765	ug/l #	96
73) Isopropylbenzene	12.33	105	190492	20.551	ug/l	99
74) N-amyl acetate	12.15	43	57399	19.634	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	41817	20.965	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	33814m	24.192	ug/l	
77) Bromobenzene	12.61	156	42056	21.254	ug/l	96
78) n-propylbenzene	12.67	91	234635	20.398	ug/l	99
79) 2-Chlorotoluene	12.76	91	129121	20.444	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	158336	20.704	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	14321	19.850	ug/l	92
82) 4-Chlorotoluene	12.86	91	135186	20.312	ug/l	99
83) tert-Butylbenzene	13.08	119	130553	20.452	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	158998	20.838	ug/l	100
85) sec-Butylbenzene	13.26	105	195028	20.627	ug/l	100
86) p-Isopropyltoluene	13.37	119	168282	20.726	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	80353	20.758	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	81159	20.835	ug/l	99
89) n-Butylbenzene	13.70	91	170637	20.170	ug/l	99
90) Hexachloroethane	13.97	117	32543	21.270	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	74707	20.898	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	6616	20.707	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	47884	20.782	ug/l	97
94) Hexachlorobutadiene	15.11	225	23045	20.262	ug/l	100
95) Naphthalene	15.24	128	111690	20.409	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	41189	19.713	ug/l	96

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

