

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY032020\
 Data File : VY002034.D
 Acq On : 20 Mar 2020 12:09
 Operator : SY/MD
 Sample : VY0320SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0320SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/23/2020 2:21:25 PM

Quant Time: Mar 20 16:28:40 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	7.81	168	156063	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	283509	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	252584	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	119836	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	88029	52.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.68%	
35) Dibromofluoromethane	7.74	113	83081	53.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.34%	
50) Toluene-d8	10.19	98	335161	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	
62) 4-Bromofluorobenzene	12.49	95	118997	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	27480	19.076	ug/l	94
3) Chloromethane	2.12	50	37771	19.447	ug/l	99
4) Vinyl Chloride	2.26	62	39001	19.742	ug/l	96
5) Bromomethane	2.66	94	25725	18.622	ug/l	97
6) Chloroethane	2.80	64	25370	20.443	ug/l	98
7) Trichlorofluoromethane	3.14	101	55537	20.728	ug/l	91
8) Diethyl Ether	3.55	74	22874	21.662	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.92	101	36279	21.052	ug/l	99
10) Methyl Iodide	4.11	142	38895	19.517	ug/l	97
11) Tert butyl alcohol	4.97	59	30272	167.113	ug/l #	94
12) 1,1-Dichloroethene	3.90	96	36186	20.855	ug/l	92
13) Acrolein	3.75	56	17866	76.310	ug/l	99
14) Allyl chloride	4.51	41	66474	21.610	ug/l	99
15) Acrylonitrile	5.19	53	59691	105.783	ug/l	99
16) Acetone	3.97	43	51730	106.602	ug/l	100
17) Carbon Disulfide	4.21	76	108137	18.539	ug/l	97
18) Methyl Acetate	4.50	43	27722	22.234	ug/l	97
19) Methyl tert-butyl Ether	5.25	73	102644	21.829	ug/l	97
20) Methylene Chloride	4.74	84	47623	22.899	ug/l	99
21) trans-1,2-Dichloroethene	5.25	96	40848	20.741	ug/l	97
22) Diisopropyl ether	6.15	45	140651	22.306	ug/l	94
23) Vinyl Acetate	6.09	43	448754	108.562	ug/l	99
24) 1,1-Dichloroethane	6.05	63	73776	21.606	ug/l	98
25) 2-Butanone	7.01	43	80726	109.392	ug/l	100
26) 2,2-Dichloropropane	7.00	77	61746	22.032	ug/l	100
27) cis-1,2-Dichloroethene	7.01	96	46852	21.870	ug/l	99
28) Bromochloromethane	7.35	49	34035	22.114	ug/l	97
29) Tetrahydrofuran	7.37	42	51725	105.551	ug/l	99
30) Chloroform	7.53	83	70649	22.022	ug/l	100
31) Cyclohexane	7.80	56	74143	20.251	ug/l	98
32) 1,1,1-Trichloroethane	7.72	97	59453	21.988	ug/l	98
36) 1,1-Dichloropropene	7.94	75	57969	21.248	ug/l	98
37) Ethyl Acetate	7.10	43	35546	22.417	ug/l	98
38) Carbon Tetrachloride	7.92	117	49073	21.056	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	73352	20.271	ug/l	97
40) Benzene	8.18	78	170400	21.072	ug/l	99
41) Methacrylonitrile	7.33	41	18662m	26.152	ug/l	
42) 1,2-Dichloroethane	8.25	62	46539	22.334	ug/l	99
43) Isopropyl Acetate	8.29	43	66724	22.226	ug/l	97
44) Trichloroethene	8.96	130	41706	21.177	ug/l	100
45) 1,2-Dichloropropane	9.24	63	44577	21.929	ug/l	99
46) Dibromomethane	9.32	93	22322	21.309	ug/l	98
47) Bromodichloromethane	9.51	83	53092	21.788	ug/l	99
48) Methyl methacrylate	9.31	41	28867	21.670	ug/l	96
49) 1,4-Dioxane	9.32	88	6054	421.765	ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	179115	115.836	ug/l	99
52) Toluene	10.25	92	104556	21.284	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	58157	21.906	ug/l	95
54) cis-1,3-Dichloropropene	9.94	75	68945	21.815	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	32593	21.260	ug/l	98
56) Ethyl methacrylate	10.52	69	48746	21.693	ug/l	93
57) 1,3-Dichloropropane	10.80	76	58565	21.431	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	126228	147.512	ug/l	99
59) 2-Hexanone	10.85	43	118477	107.349	ug/l	99
60) Dibromochloromethane	11.00	129	35093	21.723	ug/l	99
61) 1,2-Dibromoethane	11.10	107	31018	21.359	ug/l	98
64) Tetrachloroethene	10.73	164	34682	21.895	ug/l	88
65) Chlorobenzene	11.52	112	106690	21.199	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	36005	21.816	ug/l	98
67) Ethyl Benzene	11.60	91	202541	21.579	ug/l	96
68) m/p-Xylenes	11.71	106	150654	43.414	ug/l	99
69) o-Xylene	12.03	106	71394	21.828	ug/l	100
70) Styrene	12.05	104	121864	21.754	ug/l	99
71) Bromoform	12.22	173	19274	21.534	ug/l #	99
73) Isopropylbenzene	12.34	105	191011	20.880	ug/l	100
74) N-amyl acetate	12.15	43	59053	21.004	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	41120	20.844	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	31738m	22.320	ug/l	
77) Bromobenzene	12.62	156	41049	21.179	ug/l	99
78) n-propylbenzene	12.68	91	236663	20.970	ug/l	99
79) 2-Chlorotoluene	12.77	91	132090	21.184	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	161480	21.442	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	14224	20.206	ug/l	95
82) 4-Chlorotoluene	12.86	91	139973	21.560	ug/l	99
83) tert-Butylbenzene	13.08	119	134420	21.490	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	160228	21.438	ug/l	100
85) sec-Butylbenzene	13.26	105	198274	21.505	ug/l	99
86) p-Isopropyltoluene	13.38	119	173877	21.862	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	81492	21.456	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	81675	21.198	ug/l	99
89) n-Butylbenzene	13.70	91	177200	21.475	ug/l	99
90) Hexachloroethane	13.97	117	32235	21.484	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	74095	21.474	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.37	75	6450	20.953	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	48952	21.876	ug/l	99
94) Hexachlorobutadiene	15.12	225	23813	21.828	ug/l	99
95) Naphthalene	15.25	128	110529	20.824	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	42760	21.692	ug/l	98

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

