

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY032020\
 Data File : VY002033.D
 Acq On : 20 Mar 2020 11:48
 Operator : SY/MD
 Sample : VY0320SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0320SBS01

Manual Integrations
 APPROVED

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

Quant Time: Mar 23 07:29:01 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	160314	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	283464	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	257297	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	121783	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	91721	53.59	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	107.18%	
35) Dibromofluoromethane	7.74	113	85221	55.06	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	110.12%	
50) Toluene-d8	10.19	98	351219	53.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.62%	
62) 4-Bromofluorobenzene	12.49	95	126423	55.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	27930	18.874	ug/l	98
3) Chloromethane	2.13	50	39649	19.873	ug/l	96
4) Vinyl Chloride	2.26	62	40000	19.710	ug/l	100
5) Bromomethane	2.66	94	27158	19.321	ug/l	99
6) Chloroethane	2.80	64	26130	20.497	ug/l	98
7) Trichlorofluoromethane	3.14	101	57262	20.806	ug/l	98
8) Diethyl Ether	3.55	74	22920	21.130	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.92	101	37754	21.327	ug/l	99
10) Methyl Iodide	4.11	142	39407	19.250	ug/l	98
11) Tert butyl alcohol	4.99	59	19351	94.616	ug/l	98
12) 1,1-Dichloroethene	3.89	96	36686	20.582	ug/l	96
13) Acrolein	3.75	56	18064	75.110	ug/l	97
14) Allyl chloride	4.50	41	69175	21.892	ug/l	99
15) Acrylonitrile	5.19	53	63874	110.195	ug/l	99
16) Acetone	3.97	43	54960	110.255	ug/l	99
17) Carbon Disulfide	4.21	76	112451	18.768	ug/l	98
18) Methyl Acetate	4.50	43	29620	23.126	ug/l	96
19) Methyl tert-butyl Ether	5.25	73	104353	21.604	ug/l	93
20) Methylene Chloride	4.74	84	48209	22.566	ug/l	99
21) trans-1,2-Dichloroethene	5.25	96	41551	20.538	ug/l	98
22) Diisopropyl ether	6.14	45	142562	22.010	ug/l	97
23) Vinyl Acetate	6.08	43	462935	109.023	ug/l	98
24) 1,1-Dichloroethane	6.05	63	74792	21.323	ug/l	97
25) 2-Butanone	7.01	43	82887	109.342	ug/l	98
26) 2,2-Dichloropropane	7.00	77	61841	21.481	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	47006	21.360	ug/l	100
28) Bromochloromethane	7.35	49	32094	20.300	ug/l	100
29) Tetrahydrofuran	7.36	42	56750	112.735	ug/l	98
30) Chloroform	7.53	83	70702	21.454	ug/l	97
31) Cyclohexane	7.80	56	76375	20.308	ug/l	98
32) 1,1,1-Trichloroethane	7.72	97	60683	21.848	ug/l	98
36) 1,1-Dichloropropene	7.93	75	59136	21.679	ug/l	99
37) Ethyl Acetate	7.10	43	37213	23.472	ug/l	98
38) Carbon Tetrachloride	7.91	117	51474	22.090	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	76176	21.055	ug/l	97
40) Benzene	8.18	78	172671	21.357	ug/l	99
41) Methacrylonitrile	7.34	41	17538m	24.581	ug/l	
42) 1,2-Dichloroethane	8.25	62	46824	22.475	ug/l	100
43) Isopropyl Acetate	8.29	43	67530	22.498	ug/l	99
44) Trichloroethene	8.95	130	42815	21.744	ug/l	99
45) 1,2-Dichloropropane	9.23	63	44258	21.776	ug/l	99
46) Dibromomethane	9.32	93	23759	22.684	ug/l	95
47) Bromodichloromethane	9.51	83	54749	22.471	ug/l	97
48) Methyl methacrylate	9.30	41	30277	22.732	ug/l	97
49) 1,4-Dioxane	9.31	88	6536	455.417	ug/l	96
51) 4-Methyl-2-Pentanone	10.08	43	178409	115.398	ug/l	99
52) Toluene	10.25	92	105933	21.568	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	59058	22.249	ug/l	96
54) cis-1,3-Dichloropropene	9.94	75	70457	22.297	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	33591	21.914	ug/l	98
56) Ethyl methacrylate	10.52	69	50047	22.275	ug/l	94
57) 1,3-Dichloropropane	10.80	76	60140	22.011	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.79	63	125054	145.826	ug/l	99
59) 2-Hexanone	10.84	43	126161	114.329	ug/l	100
60) Dibromochloromethane	10.99	129	35444	21.944	ug/l	98
61) 1,2-Dibromoethane	11.10	107	32218	22.189	ug/l	99
64) Tetrachloroethene	10.73	164	35948	22.279	ug/l	96
65) Chlorobenzene	11.52	112	110174	21.490	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	37035	22.029	ug/l	98
67) Ethyl Benzene	11.60	91	205555	21.499	ug/l	99
68) m/p-Xylenes	11.71	106	153106	43.312	ug/l	98
69) o-Xylene	12.03	106	71022	21.317	ug/l	98
70) Styrene	12.05	104	126079	22.094	ug/l	100
71) Bromoform	12.22	173	19771	21.685	ug/l #	99
73) Isopropylbenzene	12.34	105	195521	21.031	ug/l	100
74) N-amyl acetate	12.15	43	63486	22.219	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	43047	21.472	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	32561m	22.533	ug/l	
77) Bromobenzene	12.61	156	41939	21.292	ug/l	99
78) n-propylbenzene	12.68	91	247843	21.609	ug/l	99
79) 2-Chlorotoluene	12.77	91	134891	21.288	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	165136	21.577	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	15372	21.488	ug/l	95
82) 4-Chlorotoluene	12.86	91	142929	21.664	ug/l	99
83) tert-Butylbenzene	13.08	119	138229	21.745	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	165692	21.815	ug/l	99
85) sec-Butylbenzene	13.26	105	203771	21.748	ug/l	100
86) p-Isopropyltoluene	13.38	119	177361	21.944	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	83619	21.664	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	83311	21.276	ug/l	97
89) n-Butylbenzene	13.70	91	183470	21.879	ug/l	99
90) Hexachloroethane	13.97	117	33692	22.096	ug/l	100
91) 1,2-Dichlorobenzene	13.75	146	76019	21.679	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	6857	21.919	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	51178	22.506	ug/l	99
94) Hexachlorobutadiene	15.12	225	24837	22.402	ug/l	99
95) Naphthalene	15.25	128	117883	21.855	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	44924	22.425	ug/l	99

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

