

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031620\
 Data File : VY001973.D
 Acq On : 16 Mar 2020 11:32
 Operator : SY/MD
 Sample : VY0316SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0316SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/17/2020 12:06:27 PM

Quant Time: Mar 17 08:24:31 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	7.82	168	173110	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	310219	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	277088	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	131681	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	92489	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
35) Dibromofluoromethane	7.75	113	88307	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	
50) Toluene-d8	10.19	98	359304	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
62) 4-Bromofluorobenzene	12.49	95	128929	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.92	85	30451	19.057	ug/l	97
3) Chloromethane	2.13	50	43820	20.340	ug/l	99
4) Vinyl Chloride	2.27	62	43630	19.910	ug/l	99
5) Bromomethane	2.67	94	29023	19.053	ug/l	99
6) Chloroethane	2.82	64	28967	21.043	ug/l	98
7) Trichlorofluoromethane	3.15	101	60692	20.422	ug/l	99
8) Diethyl Ether	3.56	74	25330	21.625	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.94	101	39669	20.753	ug/l	99
10) Methyl Iodide	4.13	142	43367	19.618	ug/l	99
11) Tert butyl alcohol	5.00	59	23206	107.823	ug/l	99
12) 1,1-Dichloroethene	3.91	96	40632	21.111	ug/l	98
13) Acrolein	3.76	56	20596	79.308	ug/l	95
14) Allyl chloride	4.52	41	73057	21.411	ug/l	98
15) Acrylonitrile	5.21	53	66161	105.703	ug/l	99
16) Acetone	3.99	43	55276	102.692	ug/l	95
17) Carbon Disulfide	4.23	76	126203	19.506	ug/l	100
18) Methyl Acetate	4.52	43	29389	21.250	ug/l	98
19) Methyl tert-butyl Ether	5.27	73	111290	21.337	ug/l	99
20) Methylene Chloride	4.75	84	49601	21.501	ug/l	99
21) trans-1,2-Dichloroethene	5.27	96	46018	21.065	ug/l	99
22) Diisopropyl ether	6.16	45	149026	21.307	ug/l	96
23) Vinyl Acetate	6.10	43	479930	104.671	ug/l	99
24) 1,1-Dichloroethane	6.07	63	80111	21.151	ug/l	98
25) 2-Butanone	7.03	43	85658	104.645	ug/l	97
26) 2,2-Dichloropropane	7.02	77	67889	21.838	ug/l	98
27) cis-1,2-Dichloroethene	7.02	96	50267	21.153	ug/l	99
28) Bromochloromethane	7.37	49	33982	19.905	ug/l	97
29) Tetrahydrofuran	7.38	42	55465	102.038	ug/l	99
30) Chloroform	7.54	83	74811	21.023	ug/l	95
31) Cyclohexane	7.82	56	81409	20.046	ug/l	97
32) 1,1,1-Trichloroethane	7.74	97	64102	21.373	ug/l	98
36) 1,1-Dichloropropene	7.95	75	62616	20.975	ug/l	98
37) Ethyl Acetate	7.11	43	38517	22.200	ug/l	99
38) Carbon Tetrachloride	7.92	117	55405	21.726	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	81934	20.693	ug/l	98
40) Benzene	8.19	78	186678	21.098	ug/l	99
41) Methacrylonitrile	7.35	41	20620m	26.408	ug/l	
42) 1,2-Dichloroethane	8.27	62	48280	21.175	ug/l	99
43) Isopropyl Acetate	8.30	43	68799	20.944	ug/l	99
44) Trichloroethene	8.96	130	46035	21.363	ug/l	99
45) 1,2-Dichloropropane	9.24	63	47033	21.145	ug/l	98
46) Dibromomethane	9.32	93	24457	21.337	ug/l	100
47) Bromodichloromethane	9.52	83	57361	21.513	ug/l	99
48) Methyl methacrylate	9.31	41	30750	21.096	ug/l	95
49) 1,4-Dioxane	9.31	88	6550	417.031	ug/l	93
51) 4-Methyl-2-Pentanone	10.08	43	187423	110.773	ug/l	100
52) Toluene	10.25	92	114832	21.363	ug/l	98
53) t-1,3-Dichloropropene	10.48	75	64342	22.149	ug/l	93
54) cis-1,3-Dichloropropene	9.94	75	74531	21.552	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	35913	21.409	ug/l	98
56) Ethyl methacrylate	10.52	69	52610	21.397	ug/l	98
57) 1,3-Dichloropropane	10.80	76	65354	21.856	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	129127	135.505	ug/l	99
59) 2-Hexanone	10.85	43	128305	106.244	ug/l	99
60) Dibromochloromethane	11.00	129	38756	21.925	ug/l	98
61) 1,2-Dibromoethane	11.10	107	34103	21.462	ug/l	98
64) Tetrachloroethene	10.73	164	37661	21.673	ug/l	98
65) Chlorobenzene	11.53	112	118059	21.383	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	39576	21.859	ug/l	98
67) Ethyl Benzene	11.60	91	222364	21.595	ug/l	97
68) m/p-Xylenes	11.71	106	163438	42.933	ug/l	99
69) o-Xylene	12.04	106	75964	21.171	ug/l	97
70) Styrene	12.05	104	135223	22.004	ug/l	99
71) Bromoform	12.22	173	22210	22.620	ug/l #	97
73) Isopropylbenzene	12.34	105	211707	21.061	ug/l	99
74) N-amyl acetate	12.15	43	63448	20.537	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	45943	21.194	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	35339m	22.617	ug/l	
77) Bromobenzene	12.62	156	45489	21.359	ug/l	98
78) n-propylbenzene	12.68	91	263893	21.279	ug/l	100
79) 2-Chlorotoluene	12.77	91	142583	20.810	ug/l	97
80) 1,3,5-Trimethylbenzene	12.82	105	176530	21.332	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	16259	21.019	ug/l	99
82) 4-Chlorotoluene	12.86	91	153039	21.453	ug/l	100
83) tert-Butylbenzene	13.08	119	148280	21.573	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	174803	21.285	ug/l	99
85) sec-Butylbenzene	13.26	105	216642	21.384	ug/l	99
86) p-Isopropyltoluene	13.38	119	189076	21.635	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	89372	21.414	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	89424	21.121	ug/l	97
89) n-Butylbenzene	13.70	91	196049	21.622	ug/l	99
90) Hexachloroethane	13.97	117	35097	21.287	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	81125	21.397	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	7005	20.709	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	54077	21.993	ug/l	99
94) Hexachlorobutadiene	15.12	225	26784	22.343	ug/l	98
95) Naphthalene	15.25	128	123980	21.258	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	48583	22.429	ug/l	97

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

