

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031920\
 Data File : VY002014.D
 Acq On : 19 Mar 2020 12:31
 Operator : SY/MD
 Sample : VY0319SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0319SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/20/2020 12:06:13 PM

Quant Time: Mar 20 02:30:44 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	154396	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	279257	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	252058	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	119053	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	87737	53.23	ug/l	0.00
Spiked Amount			Recovery	=	106.46%	
35) Dibromofluoromethane	7.74	113	81593	53.51	ug/l	0.00
Spiked Amount			Recovery	=	107.02%	
50) Toluene-d8	10.19	98	334589	52.03	ug/l	0.00
Spiked Amount			Recovery	=	104.06%	
62) 4-Bromofluorobenzene	12.49	95	118455	52.98	ug/l	0.00
Spiked Amount			Recovery	=	105.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	26787	18.795	ug/l	99
3) Chloromethane	2.13	50	38378	19.973	ug/l	96
4) Vinyl Chloride	2.27	62	39546	20.234	ug/l	99
5) Bromomethane	2.66	94	26951	20.111	ug/l	98
6) Chloroethane	2.80	64	25977	21.158	ug/l	98
7) Trichlorofluoromethane	3.15	101	53353	20.128	ug/l	95
8) Diethyl Ether	3.55	74	22575	21.609	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.92	101	35931	21.076	ug/l	98
10) Methyl Iodide	4.11	142	38365	19.459	ug/l	100
11) Tert butyl alcohol	4.98	59	32352	182.515	ug/l #	83
12) 1,1-Dichloroethene	3.90	96	35368	20.603	ug/l	97
13) Acrolein	3.75	56	18568	80.165	ug/l	92
14) Allyl chloride	4.51	41	64811	21.297	ug/l	99
15) Acrylonitrile	5.20	53	61472	110.116	ug/l	99
16) Acetone	3.97	43	51002	106.237	ug/l	94
17) Carbon Disulfide	4.22	76	109785	19.025	ug/l	97
18) Methyl Acetate	4.51	43	27878	22.600	ug/l	100
19) Methyl tert-butyl Ether	5.25	73	102656	22.068	ug/l	95
20) Methylene Chloride	4.75	84	45555	22.141	ug/l	89
21) trans-1,2-Dichloroethene	5.25	96	40226	20.646	ug/l	96
22) Diisopropyl ether	6.15	45	138008	22.124	ug/l	96
23) Vinyl Acetate	6.09	43	444027	108.578	ug/l	98
24) 1,1-Dichloroethane	6.05	63	72025	21.321	ug/l	98
25) 2-Butanone	7.02	43	80048	109.645	ug/l	97
26) 2,2-Dichloropropane	7.01	77	61866	22.313	ug/l	97
27) cis-1,2-Dichloroethene	7.02	96	45765	21.593	ug/l	99
28) Bromochloromethane	7.36	49	32860	21.581	ug/l	99
29) Tetrahydrofuran	7.37	42	51397	106.014	ug/l	99
30) Chloroform	7.53	83	68445	21.566	ug/l	99
31) Cyclohexane	7.81	56	72666	20.062	ug/l	98
32) 1,1,1-Trichloroethane	7.73	97	56319	21.054	ug/l	99
36) 1,1-Dichloropropene	7.94	75	57341	21.338	ug/l	98
37) Ethyl Acetate	7.10	43	36431	23.325	ug/l	98
38) Carbon Tetrachloride	7.92	117	48690	21.210	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	73007	20.483	ug/l	97
40) Benzene	8.18	78	170547	21.412	ug/l	99
41) Methacrylonitrile	7.34	41	16351m	23.262	ug/l	
42) 1,2-Dichloroethane	8.26	62	45267	22.055	ug/l	99
43) Isopropyl Acetate	8.30	43	65363	22.104	ug/l	99
44) Trichloroethene	8.96	130	41405	21.344	ug/l	97
45) 1,2-Dichloropropane	9.24	63	44446	22.197	ug/l	99
46) Dibromomethane	9.33	93	22387	21.696	ug/l	99
47) Bromodichloromethane	9.52	83	52660	21.939	ug/l	99
48) Methyl methacrylate	9.31	41	28937	22.054	ug/l	99
49) 1,4-Dioxane	9.32	88	5799	410.151	ug/l	99
51) 4-Methyl-2-Pentanone	10.09	43	176705	116.017	ug/l	100
52) Toluene	10.26	92	104422	21.581	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	57746	22.082	ug/l	97
54) cis-1,3-Dichloropropene	9.94	75	66979	21.515	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	33111	21.927	ug/l	99
56) Ethyl methacrylate	10.52	69	47856	21.621	ug/l	97
57) 1,3-Dichloropropane	10.80	76	58796	21.843	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	121383	143.134	ug/l	100
59) 2-Hexanone	10.85	43	119109	109.565	ug/l	100
60) Dibromochloromethane	11.00	129	35538	22.334	ug/l	99
61) 1,2-Dibromoethane	11.10	107	30671	21.442	ug/l	99
64) Tetrachloroethene	10.74	164	33323	21.081	ug/l	95
65) Chlorobenzene	11.53	112	108012	21.506	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.60	131	36661	22.259	ug/l	99
67) Ethyl Benzene	11.61	91	200598	21.416	ug/l	96
68) m/p-Xylenes	11.72	106	146533	42.315	ug/l	99
69) o-Xylene	12.04	106	69865	21.405	ug/l	99
70) Styrene	12.06	104	121576	21.748	ug/l	100
71) Bromoform	12.22	173	19617	21.963	ug/l #	99
73) Isopropylbenzene	12.34	105	188304	20.720	ug/l	98
74) N-amyl acetate	12.16	43	59052	21.141	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	41439	21.144	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	29677m	21.008	ug/l	
77) Bromobenzene	12.62	156	41175	21.384	ug/l	98
78) n-propylbenzene	12.68	91	236764	21.117	ug/l	99
79) 2-Chlorotoluene	12.77	91	128764	20.787	ug/l	98
80) 1,3,5-Trimethylbenzene	12.83	105	158718	21.214	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	14557	20.815	ug/l	97
82) 4-Chlorotoluene	12.87	91	136336	21.138	ug/l	100
83) tert-Butylbenzene	13.09	119	135152	21.749	ug/l	97
84) 1,2,4-Trimethylbenzene	13.13	105	158616	21.362	ug/l	100
85) sec-Butylbenzene	13.27	105	196395	21.441	ug/l	99
86) p-Isopropyltoluene	13.38	119	171859	21.750	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	82903	21.971	ug/l	98
88) 1,4-Dichlorobenzene	13.46	146	81112	21.190	ug/l	99
89) n-Butylbenzene	13.71	91	173450	21.159	ug/l	99
90) Hexachloroethane	13.97	117	31689	21.259	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	73818	21.534	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	6244	20.417	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	48077	21.627	ug/l	98
94) Hexachlorobutadiene	15.12	225	23083	21.298	ug/l	99
95) Naphthalene	15.25	128	111031	21.057	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	42692	21.800	ug/l	98

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

