

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031220\
 Data File : VY001955.D
 Acq On : 12 Mar 2020 11:43
 Operator : SY/MD
 Sample : VY0312SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0312SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/16/2020 11:42:33 AM

Quant Time: Mar 13 06:03:23 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	194556	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	350029	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	310928	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	144026	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	109753	52.84	ug/l	0.00
Spiked Amount			Recovery	=	105.68%	
35) Dibromofluoromethane	7.74	113	104027	54.43	ug/l	0.00
Spiked Amount			Recovery	=	108.86%	
50) Toluene-d8	10.19	98	420275	52.15	ug/l	0.00
Spiked Amount			Recovery	=	104.30%	
62) 4-Bromofluorobenzene	12.49	95	150762	53.80	ug/l	0.00
Spiked Amount			Recovery	=	107.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	34944	19.458	ug/l	95
3) Chloromethane	2.13	50	47577	19.650	ug/l	96
4) Vinyl Chloride	2.27	62	48449	19.672	ug/l	96
5) Bromomethane	2.66	94	31793	18.403	ug/l	100
6) Chloroethane	2.81	64	31024	20.053	ug/l	98
7) Trichlorofluoromethane	3.15	101	69413	20.782	ug/l	98
8) Diethyl Ether	3.55	74	25955	19.716	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.93	101	43651	20.319	ug/l	98
10) Methyl Iodide	4.12	142	50354	20.268	ug/l	99
11) Tert butyl alcohol	4.99	59	33483	145.469	ug/l #	93
12) 1,1-Dichloroethene	3.90	96	43706	20.205	ug/l	98
13) Acrolein	3.76	56	24033	82.342	ug/l	99
14) Allyl chloride	4.52	41	75134	19.593	ug/l	98
15) Acrylonitrile	5.20	53	65976	93.788	ug/l	99
16) Acetone	3.97	43	55662	92.011	ug/l	92
17) Carbon Disulfide	4.22	76	137363	18.890	ug/l	99
18) Methyl Acetate	4.51	43	29842	19.199	ug/l	99
19) Methyl tert-butyl Ether	5.25	73	120552	20.565	ug/l	100
20) Methylene Chloride	4.75	84	52274	20.162	ug/l	97
21) trans-1,2-Dichloroethene	5.25	96	48558	19.778	ug/l	96
22) Diisopropyl ether	6.16	45	156926	19.964	ug/l	92
23) Vinyl Acetate	6.10	43	496037	96.259	ug/l	96
24) 1,1-Dichloroethane	6.05	63	85297	20.038	ug/l	98
25) 2-Butanone	7.02	43	87102	94.680	ug/l	96
26) 2,2-Dichloropropane	7.01	77	74743	21.393	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	53464	20.019	ug/l	99
28) Bromochloromethane	7.36	49	36490	19.018	ug/l	97
29) Tetrahydrofuran	7.38	42	55669	91.124	ug/l	99
30) Chloroform	7.53	83	82034	20.512	ug/l	97
31) Cyclohexane	7.80	56	87417	19.153	ug/l	95
32) 1,1,1-Trichloroethane	7.72	97	70582	20.939	ug/l	99
36) 1,1-Dichloropropene	7.94	75	67764	20.118	ug/l	99
37) Ethyl Acetate	7.10	43	39600	20.228	ug/l	98
38) Carbon Tetrachloride	7.92	117	59497	20.677	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	89661	20.070	ug/l	96
40) Benzene	8.18	78	197158	19.748	ug/l	100
41) Methacrylonitrile	7.35	41	18929m	21.485	ug/l	
42) 1,2-Dichloroethane	8.25	62	53592	20.831	ug/l	100
43) Isopropyl Acetate	8.29	43	72030	19.434	ug/l	99
44) Trichloroethene	8.96	130	50195	20.644	ug/l	96
45) 1,2-Dichloropropane	9.23	63	49954	19.904	ug/l	99
46) Dibromomethane	9.31	93	25477	19.699	ug/l	99
47) Bromodichloromethane	9.51	83	62395	20.739	ug/l	98
48) Methyl methacrylate	9.30	41	31690	19.268	ug/l	94
49) 1,4-Dioxane	9.31	88	6596	372.196	ug/l	96
51) 4-Methyl-2-Pentanone	10.08	43	186266	97.568	ug/l	99
52) Toluene	10.25	92	122371	20.177	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	67760	20.673	ug/l	93
54) cis-1,3-Dichloropropene	9.94	75	79761	20.441	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	38118	20.139	ug/l	95
56) Ethyl methacrylate	10.52	69	54263	19.559	ug/l	96
57) 1,3-Dichloropropane	10.80	76	66987	19.854	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	142086	131.232	ug/l	99
59) 2-Hexanone	10.84	43	126203	92.618	ug/l	100
60) Dibromochloromethane	10.99	129	40288	20.200	ug/l	99
61) 1,2-Dibromoethane	11.10	107	35474	19.786	ug/l	99
64) Tetrachloroethene	10.73	164	41091	21.074	ug/l	95
65) Chlorobenzene	11.52	112	125056	20.185	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	42058	20.701	ug/l	99
67) Ethyl Benzene	11.60	91	234354	20.283	ug/l	99
68) m/p-Xylenes	11.71	106	175822	41.159	ug/l	100
69) o-Xylene	12.03	106	81980	20.361	ug/l	98
70) Styrene	12.05	104	141284	20.488	ug/l	99
71) Bromoform	12.22	173	21933	19.906	ug/l #	100
73) Isopropylbenzene	12.34	105	221845	20.178	ug/l	99
74) N-amyl acetate	12.15	43	64175	18.992	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	46206	19.488	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	34946m	20.449	ug/l	
77) Bromobenzene	12.61	156	48069	20.636	ug/l	96
78) n-propylbenzene	12.68	91	274415	20.231	ug/l	99
79) 2-Chlorotoluene	12.77	91	153336	20.461	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	187294	20.693	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	16905	19.981	ug/l	97
82) 4-Chlorotoluene	12.86	91	161614	20.713	ug/l	99
83) tert-Butylbenzene	13.08	119	155422	20.674	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	185545	20.656	ug/l	98
85) sec-Butylbenzene	13.26	105	228597	20.630	ug/l	99
86) p-Isopropyltoluene	13.38	119	199936	20.916	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	92872	20.346	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	92542	19.984	ug/l	97
89) n-Butylbenzene	13.70	91	203172	20.487	ug/l	99
90) Hexachloroethane	13.97	117	36743	20.376	ug/l	100
91) 1,2-Dichlorobenzene	13.75	146	85674	20.659	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	7495	20.258	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	56571	21.035	ug/l	99
94) Hexachlorobutadiene	15.12	225	27408	20.904	ug/l	99
95) Naphthalene	15.24	128	123940	19.429	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	48345	20.406	ug/l	100

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

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