

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020420\
 Data File : VY001489.D
 Acq On : 04 Feb 2020 16:15
 Operator : SY/MD
 Sample : VY0204SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0204SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/5/2020 12:23:56 PM

Quant Time: Feb 04 16:39:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	243778	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	421003	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	375030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	175334	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	127767	52.05	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	104.10%	
35) Dibromofluoromethane	7.73	113	120384	49.59	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	99.18%	
50) Toluene-d8	10.18	98	479082	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	
62) 4-Bromofluorobenzene	12.49	95	177513	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	49562	20.770	ug/l	99
3) Chloromethane	2.12	50	51933	20.823	ug/l	97
4) Vinyl Chloride	2.26	62	53447	20.638	ug/l	99
5) Bromomethane	2.65	94	34003	20.878	ug/l	95
6) Chloroethane	2.80	64	31692	20.302	ug/l	93
7) Trichlorofluoromethane	3.13	101	87959	20.519	ug/l	97
8) Diethyl Ether	3.55	74	31024	21.447	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.91	101	52925	20.520	ug/l	98
10) Methyl Iodide	4.10	142	65457	19.918	ug/l	99
11) Tert butyl alcohol	4.97	59	39044	124.479	ug/l	98
12) 1,1-Dichloroethene	3.88	96	51977	20.280	ug/l	98
13) Acrolein	3.75	56	24881	107.055	ug/l	99
14) Allyl chloride	4.49	41	81172	20.703	ug/l	99
15) Acrylonitrile	5.18	53	73212	110.401	ug/l	100
16) Acetone	3.96	43	72869	102.634	ug/l	100
17) Carbon Disulfide	4.21	76	168389	20.638	ug/l	100
18) Methyl Acetate	4.49	43	34117	22.518	ug/l	100
19) Methyl tert-butyl Ether	5.24	73	145461	21.341	ug/l	100
20) Methylene Chloride	4.73	84	63602	20.047	ug/l	94
21) trans-1,2-Dichloroethene	5.23	96	58970	20.697	ug/l	96
22) Diisopropyl ether	6.14	45	164336	21.156	ug/l	99
23) Vinyl Acetate	6.08	43	534692	108.127	ug/l	99
24) 1,1-Dichloroethane	6.04	63	97093	20.780	ug/l	98
25) 2-Butanone	7.00	43	101115	109.776	ug/l	100
26) 2,2-Dichloropropane	7.00	77	90962	20.341	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	65244	20.965	ug/l	99
28) Bromochloromethane	7.35	49	30728	19.305	ug/l	99
29) Tetrahydrofuran	7.36	42	62774	113.705	ug/l	100
30) Chloroform	7.52	83	97274	20.553	ug/l	97
31) Cyclohexane	7.80	56	96470	20.184	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	89733	20.912	ug/l	99
36) 1,1-Dichloropropene	7.93	75	80498	20.901	ug/l	99
37) Ethyl Acetate	7.09	43	42250	22.661	ug/l	100
38) Carbon Tetrachloride	7.91	117	78170	20.978	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	105480	20.800	ug/l	98
40) Benzene	8.17	78	229428	20.885	ug/l	98
41) Methacrylonitrile	7.33	41	21275m	24.621	ug/l	
42) 1,2-Dichloroethane	8.25	62	65542	21.415	ug/l	99
43) Isopropyl Acetate	8.28	43	83042	22.495	ug/l	98
44) Trichloroethene	8.94	130	61759	20.857	ug/l	97
45) 1,2-Dichloropropane	9.22	63	55394	20.882	ug/l	99
46) Dibromomethane	9.32	93	32332	21.706	ug/l	99
47) Bromodichloromethane	9.50	83	76712	21.137	ug/l	99
48) Methyl methacrylate	9.30	41	36640	21.869	ug/l	98
49) 1,4-Dioxane	9.30	88	8368	425.379	ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	208869	114.892	ug/l	99
52) Toluene	10.25	92	145648	20.896	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	84223	21.306	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	95946	21.142	ug/l	98
55) 1,1,2-Trichloroethane	10.65	97	46752	21.876	ug/l	97
56) Ethyl methacrylate	10.51	69	66764	21.964	ug/l	99
57) 1,3-Dichloropropane	10.80	76	79744	21.167	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	114611	102.492	ug/l	98
59) 2-Hexanone	10.83	43	151994	114.989	ug/l	99
60) Dibromochloromethane	10.99	129	53029	21.050	ug/l	98
61) 1,2-Dibromoethane	11.10	107	45926	21.818	ug/l	98
64) Tetrachloroethene	10.72	164	50587	20.568	ug/l	98
65) Chlorobenzene	11.52	112	155827	21.162	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	54345	21.087	ug/l	99
67) Ethyl Benzene	11.60	91	285042	20.936	ug/l	99
68) m/p-Xylenes	11.70	106	217593	42.572	ug/l	100
69) o-Xylene	12.03	106	102127	21.192	ug/l	99
70) Styrene	12.05	104	175987	21.117	ug/l	99
71) Bromoform	12.21	173	31273	21.792	ug/l #	97
73) Isopropylbenzene	12.33	105	273893	20.482	ug/l	100
74) N-amyl acetate	12.14	43	76811	22.105	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	55786	21.957	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	45447m	24.103	ug/l	
77) Bromobenzene	12.61	156	61407	21.219	ug/l	99
78) n-propylbenzene	12.67	91	328159	20.498	ug/l	99
79) 2-Chlorotoluene	12.76	91	187487	20.546	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	234739	20.844	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	21130	21.684	ug/l	99
82) 4-Chlorotoluene	12.86	91	200058	20.910	ug/l	98
83) tert-Butylbenzene	13.08	119	196010	20.591	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	233725	20.969	ug/l	100
85) sec-Butylbenzene	13.25	105	275604	20.592	ug/l	99
86) p-Isopropyltoluene	13.38	119	247451	20.981	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	116253	20.961	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	117082	21.072	ug/l	99
89) n-Butylbenzene	13.70	91	243118	20.892	ug/l	99
90) Hexachloroethane	13.97	117	46806	20.676	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	106367	21.163	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	10165	21.673	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	71968	21.249	ug/l	99
94) Hexachlorobutadiene	15.11	225	34981	20.350	ug/l	99
95) Naphthalene	15.24	128	171290	21.519	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	63832	21.350	ug/l	100

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

