

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY033120\
 Data File : VY002124.D
 Acq On : 31 Mar 2020 11:54
 Operator : SY/MD
 Sample : VY0331SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0331SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/1/2020 7:29:20 PM

Quant Time: Mar 31 18:07:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 07:11:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	171992	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.72	114	311070	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.50	117	279282	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	130548	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	91985	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	
35) Dibromofluoromethane	7.75	113	86718	49.75	ug/l	0.01
Spiked Amount	50.000		Recovery	=	99.50%	
50) Toluene-d8	10.20	98	350181	48.36	ug/l	0.01
Spiked Amount	50.000		Recovery	=	96.72%	
62) 4-Bromofluorobenzene	12.50	95	124769	49.27	ug/l	0.01
Spiked Amount	50.000		Recovery	=	98.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.92	85	33055	26.264	ug/l	98
3) Chloromethane	2.13	50	43349	21.567	ug/l	100
4) Vinyl Chloride	2.27	62	42250	20.668	ug/l	97
5) Bromomethane	2.67	94	28396	21.286	ug/l	99
6) Chloroethane	2.82	64	26781	20.403	ug/l	99
7) Trichlorofluoromethane	3.15	101	59567	21.264	ug/l	95
8) Diethyl Ether	3.56	74	24036	20.258	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.94	101	37100	20.186	ug/l	99
10) Methyl Iodide	4.13	142	40179	18.385	ug/l	99
11) Tert butyl alcohol	4.98	59	31260	139.516	ug/l #	84
12) 1,1-Dichloroethene	3.91	96	37448	20.066	ug/l	95
13) Acrolein	3.76	56	24655	88.041	ug/l	96
14) Allyl chloride	4.52	41	68247	19.976	ug/l	99
15) Acrylonitrile	5.21	53	62411	100.358	ug/l	99
16) Acetone	3.99	43	51133	95.723	ug/l	97
17) Carbon Disulfide	4.23	76	124860	20.160	ug/l	98
18) Methyl Acetate	4.52	43	28041	20.215	ug/l	99
19) Methyl tert-butyl Ether	5.27	73	104277	20.029	ug/l	95
20) Methylene Chloride	4.76	84	45000	16.963	ug/l	97
21) trans-1,2-Dichloroethene	5.26	96	42350	19.930	ug/l	97
22) Diisopropyl ether	6.16	45	137831	19.713	ug/l	99
23) Vinyl Acetate	6.10	43	449652	98.075	ug/l	98
24) 1,1-Dichloroethane	6.07	63	73245	19.703	ug/l	99
25) 2-Butanone	7.03	43	82828	100.982	ug/l	99
26) 2,2-Dichloropropane	7.02	77	63519	20.746	ug/l	98
27) cis-1,2-Dichloroethene	7.03	96	46366	19.834	ug/l	99
28) Bromochloromethane	7.37	49	32600	19.209	ug/l	98
29) Tetrahydrofuran	7.38	42	54631	101.588	ug/l	99
30) Chloroform	7.54	83	67820	19.247	ug/l	99
31) Cyclohexane	7.82	56	77711	19.618	ug/l	96
32) 1,1,1-Trichloroethane	7.74	97	57971	19.705	ug/l	99
36) 1,1-Dichloropropene	7.95	75	57371	19.499	ug/l	99
37) Ethyl Acetate	7.11	43	34701	19.516	ug/l	98
38) Carbon Tetrachloride	7.93	117	50302	20.151	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	75799	19.640	ug/l	99
40) Benzene	8.19	78	172304	19.770	ug/l	98
41) Methacrylonitrile	7.35	41	18785m	20.887	ug/l	
42) 1,2-Dichloroethane	8.27	62	45853	19.817	ug/l	100
43) Isopropyl Acetate	8.30	43	66124	20.037	ug/l	100
44) Trichloroethene	8.97	130	41626	19.814	ug/l	98
45) 1,2-Dichloropropane	9.24	63	43920	19.791	ug/l	99
46) Dibromomethane	9.33	93	22603	19.833	ug/l	98
47) Bromodichloromethane	9.52	83	51821	19.532	ug/l	100
48) Methyl methacrylate	9.31	41	28249	19.102	ug/l	97
49) 1,4-Dioxane	9.32	88	6353	406.231	ug/l #	94
51) 4-Methyl-2-Pentanone	10.09	43	177809	104.637	ug/l	99
52) Toluene	10.26	92	104682	19.859	ug/l	99
53) t-1,3-Dichloropropene	10.49	75	58703	19.935	ug/l	97
54) cis-1,3-Dichloropropene	9.95	75	69320	19.994	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	33273	19.726	ug/l	96
56) Ethyl methacrylate	10.53	69	49267	19.998	ug/l	98
57) 1,3-Dichloropropane	10.81	76	58905	19.766	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	128398	101.428	ug/l	100
59) 2-Hexanone	10.85	43	120916	101.015	ug/l	100
60) Dibromochloromethane	11.00	129	35962	20.375	ug/l	99
61) 1,2-Dibromoethane	11.11	107	31515	19.962	ug/l	96
64) Tetrachloroethene	10.74	164	35615	20.843	ug/l	91
65) Chlorobenzene	11.53	112	107561	19.952	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.61	131	36328	20.142	ug/l	99
67) Ethyl Benzene	11.61	91	202232	20.198	ug/l	98
68) m/p-Xylenes	11.72	106	151598	40.950	ug/l	97
69) o-Xylene	12.05	106	71243	20.287	ug/l	97
70) Styrene	12.06	104	121949	20.040	ug/l	100
71) Bromoform	12.22	173	19889	20.134	ug/l #	98
73) Isopropylbenzene	12.34	105	188626	19.478	ug/l	100
74) N-amyl acetate	12.16	43	60284	19.737	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.60	83	41585	19.955	ug/l	99
76) 1,2,3-Trichloropropane	12.65	75	27491m	18.826	ug/l	
77) Bromobenzene	12.63	156	40811	19.741	ug/l	99
78) n-propylbenzene	12.69	91	232599	19.355	ug/l	99
79) 2-Chlorotoluene	12.77	91	128198	19.429	ug/l	99
80) 1,3,5-Trimethylbenzene	12.83	105	156835	19.630	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	14914	19.786	ug/l	95
82) 4-Chlorotoluene	12.87	91	134561	19.352	ug/l	98
83) tert-Butylbenzene	13.09	119	131277	19.684	ug/l	98
84) 1,2,4-Trimethylbenzene	13.14	105	155835	19.549	ug/l	99
85) sec-Butylbenzene	13.27	105	194143	19.654	ug/l	99
86) p-Isopropyltoluene	13.39	119	169141	19.939	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	81828	20.233	ug/l	98
88) 1,4-Dichlorobenzene	13.46	146	81273	19.971	ug/l	99
89) n-Butylbenzene	13.71	91	173772	19.661	ug/l	100
90) Hexachloroethane	13.98	117	31263	19.559	ug/l	95
91) 1,2-Dichlorobenzene	13.75	146	73603	19.708	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.38	75	6525	19.547	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.03	180	46896	19.481	ug/l	99
94) Hexachlorobutadiene	15.13	225	23094	19.435	ug/l	97
95) Naphthalene	15.25	128	109079	19.078	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	42484	19.462	ug/l	99

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

