

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041320\
 Data File : VY002278.D
 Acq On : 13 Apr 2020 14:32
 Operator : SY/MD
 Sample : VY0413SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0413SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/14/2020 10:01:56 AM

Quant Time: Apr 14 09:04:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	173352	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	314983	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	277779	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	129830	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	92713	48.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.18%	
35) Dibromofluoromethane	7.74	113	94320	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
50) Toluene-d8	10.19	98	393689	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	
62) 4-Bromofluorobenzene	12.49	95	133710	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	32179	18.367	ug/l	100
3) Chloromethane	2.12	50	41792	18.953	ug/l	99
4) Vinyl Chloride	2.26	62	43958	18.730	ug/l	98
5) Bromomethane	2.65	94	27368	18.883	ug/l	97
6) Chloroethane	2.80	64	25770	19.039	ug/l	95
7) Trichlorofluoromethane	3.14	101	59864	19.751	ug/l	98
8) Diethyl Ether	3.54	74	25899	20.100	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	42283	20.537	ug/l	96
10) Methyl Iodide	4.11	142	46478	19.421	ug/l	97
11) Tert butyl alcohol	4.98	59	22852	89.822	ug/l	97
12) 1,1-Dichloroethene	3.89	96	43178	20.628	ug/l	95
13) Acrolein	3.75	56	21972	88.395	ug/l	100
14) Allyl chloride	4.50	41	67195	19.879	ug/l	99
15) Acrylonitrile	5.19	53	64237	97.488	ug/l	100
16) Acetone	3.97	43	48336	95.197	ug/l	100
17) Carbon Disulfide	4.21	76	137857	19.831	ug/l	99
18) Methyl Acetate	4.50	43	31102	19.748	ug/l	100
19) Methyl tert-butyl Ether	5.24	73	108465	19.711	ug/l	99
20) Methylene Chloride	4.74	84	49293	19.752	ug/l	96
21) trans-1,2-Dichloroethene	5.24	96	46755	19.900	ug/l	96
22) Diisopropyl ether	6.14	45	136043	19.999	ug/l	96
23) Vinyl Acetate	6.08	43	426751	98.446	ug/l	100
24) 1,1-Dichloroethane	6.04	63	77691	20.080	ug/l	99
25) 2-Butanone	7.01	43	77790	96.809	ug/l	99
26) 2,2-Dichloropropane	7.00	77	62729	19.382	ug/l	99
27) cis-1,2-Dichloroethene	7.01	96	51293	20.027	ug/l	98
28) Bromochloromethane	7.35	49	35289	21.129	ug/l	98
29) Tetrahydrofuran	7.36	42	52449	98.745	ug/l	99
30) Chloroform	7.53	83	72818	19.965	ug/l	95
31) Cyclohexane	7.80	56	81704	20.118	ug/l	97
32) 1,1,1-Trichloroethane	7.72	97	60627	19.971	ug/l	99
36) 1,1-Dichloropropene	7.94	75	61959	19.970	ug/l	98
37) Ethyl Acetate	7.10	43	34109	19.244	ug/l	97
38) Carbon Tetrachloride	7.91	117	53231	20.058	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	85168	20.180	ug/l	95
40) Benzene	8.18	78	188594	20.035	ug/l	97
41) Methacrylonitrile	7.33	41	16040m	15.341	ug/l	
42) 1,2-Dichloroethane	8.25	62	45852	19.664	ug/l	100
43) Isopropyl Acetate	8.29	43	62570	19.357	ug/l	99
44) Trichloroethene	8.96	130	52980	19.144	ug/l	93
45) 1,2-Dichloropropane	9.23	63	45560	19.507	ug/l	92
46) Dibromomethane	9.32	93	24086	19.724	ug/l	99
47) Bromodichloromethane	9.51	83	55381	19.765	ug/l	93
48) Methyl methacrylate	9.30	41	28157	19.426	ug/l	100
49) 1,4-Dioxane	9.31	88	6701	387.923	ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	168508	100.041	ug/l	100
52) Toluene	10.25	92	114588	20.199	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	60698	19.882	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	73508	20.028	ug/l	99
55) 1,1,2-Trichloroethane	10.65	97	36629	20.488	ug/l	98
56) Ethyl methacrylate	10.52	69	49997	19.594	ug/l	99
57) 1,3-Dichloropropane	10.80	76	61995	19.728	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	132113	99.981	ug/l	99
59) 2-Hexanone	10.84	43	113040	96.697	ug/l	99
60) Dibromochloromethane	10.99	129	38357	20.120	ug/l	99
61) 1,2-Dibromoethane	11.10	107	33821	19.871	ug/l	98
64) Tetrachloroethene	10.73	164	56984	20.290	ug/l	98
65) Chlorobenzene	11.52	112	117444	20.339	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	39051	20.484	ug/l	98
67) Ethyl Benzene	11.60	91	215551	20.391	ug/l	99
68) m/p-Xylenes	11.71	106	162397	41.018	ug/l	98
69) o-Xylene	12.03	106	76142	20.484	ug/l	98
70) Styrene	12.05	104	131057	20.322	ug/l	100
71) Bromoform	12.21	173	21358	20.601	ug/l #	98
73) Isopropylbenzene	12.33	105	207302	20.325	ug/l	100
74) N-amyl acetate	12.15	43	56397	19.479	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	26337	21.342	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	30455m	20.201	ug/l	
77) Bromobenzene	12.61	156	44985	20.047	ug/l	99
78) n-propylbenzene	12.67	91	252922	19.938	ug/l	100
79) 2-Chlorotoluene	12.76	91	137752	19.982	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	169377	20.079	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	15664	20.208	ug/l	96
82) 4-Chlorotoluene	12.86	91	142687	19.748	ug/l	100
83) tert-Butylbenzene	13.08	119	140566	19.894	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	166595	19.778	ug/l	100
85) sec-Butylbenzene	13.26	105	210141	19.965	ug/l	100
86) p-Isopropyltoluene	13.38	119	182583	20.155	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	87234	20.059	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	86214	19.530	ug/l	98
89) n-Butylbenzene	13.70	91	184400	19.858	ug/l	99
90) Hexachloroethane	13.97	117	33262	19.268	ug/l	97
91) 1,2-Dichlorobenzene	13.75	146	79764	20.185	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	6001	20.107	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	51096	19.782	ug/l	98
94) Hexachlorobutadiene	15.12	225	25609	19.685	ug/l	98
95) Naphthalene	15.24	128	110358	19.513	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	42915	19.134	ug/l	99

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

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