

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041320\
 Data File : VY002277.D
 Acq On : 13 Apr 2020 14:11
 Operator : SY/MD
 Sample : VY0413SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0413SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/14/2020 10:01:50 AM

Quant Time: Apr 14 09:01:41 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	186139	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	334541	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	299263	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	137450	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	96218	46.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.96%	
35) Dibromofluoromethane	7.74	113	95382	47.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.84%	
50) Toluene-d8	10.19	98	398204	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	
62) 4-Bromofluorobenzene	12.48	95	134514	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	33388	17.748	ug/l	94
3) Chloromethane	2.13	50	42790	18.073	ug/l	98
4) Vinyl Chloride	2.26	62	45102	17.897	ug/l	93
5) Bromomethane	2.65	94	28199	18.120	ug/l	91
6) Chloroethane	2.80	64	25736	17.708	ug/l	93
7) Trichlorofluoromethane	3.14	101	58631	18.015	ug/l	97
8) Diethyl Ether	3.55	74	26435	19.106	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.92	101	40852	18.479	ug/l	99
10) Methyl Iodide	4.11	142	44562	17.341	ug/l	99
11) Tert butyl alcohol	4.97	59	27496	105.313	ug/l	97
12) 1,1-Dichloroethene	3.89	96	41696	18.552	ug/l	98
13) Acrolein	3.75	56	24435	91.551	ug/l	98
14) Allyl chloride	4.50	41	67899	18.708	ug/l	98
15) Acrylonitrile	5.19	53	67174	94.942	ug/l	98
16) Acetone	3.97	43	52286	95.902	ug/l	91
17) Carbon Disulfide	4.21	76	138495	18.554	ug/l	100
18) Methyl Acetate	4.50	43	31501	18.627	ug/l	99
19) Methyl tert-butyl Ether	5.25	73	109887	18.597	ug/l	98
20) Methylene Chloride	4.74	84	50524	18.854	ug/l	98
21) trans-1,2-Dichloroethene	5.24	96	47003	18.631	ug/l	98
22) Diisopropyl ether	6.14	45	136703	18.716	ug/l	99
23) Vinyl Acetate	6.08	43	434954	93.446	ug/l	99
24) 1,1-Dichloroethane	6.03	63	77277	18.601	ug/l	98
25) 2-Butanone	7.00	43	81487	94.444	ug/l	98
26) 2,2-Dichloropropane	7.00	77	63270	18.206	ug/l	99
27) cis-1,2-Dichloroethene	7.01	96	50568	18.388	ug/l	99
28) Bromochloromethane	7.35	49	33647	18.761	ug/l	98
29) Tetrahydrofuran	7.36	42	53432	93.685	ug/l	98
30) Chloroform	7.52	83	72379	18.482	ug/l	96
31) Cyclohexane	7.80	56	80580	18.478	ug/l #	95
32) 1,1,1-Trichloroethane	7.72	97	60156	18.455	ug/l	98
36) 1,1-Dichloropropene	7.93	75	61682	18.719	ug/l	98
37) Ethyl Acetate	7.10	43	35913	19.078	ug/l	100
38) Carbon Tetrachloride	7.91	117	52744	18.713	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	84046	18.750	ug/l	95
40) Benzene	8.17	78	188836	18.888	ug/l	100
41) Methacrylonitrile	7.35	41	21985m	19.797	ug/l	
42) 1,2-Dichloroethane	8.25	62	45181	18.244	ug/l	99
43) Isopropyl Acetate	8.28	43	63600	18.525	ug/l	100
44) Trichloroethene	8.95	130	53602	18.236	ug/l	95
45) 1,2-Dichloropropane	9.23	63	46772	18.855	ug/l	90
46) Dibromomethane	9.31	93	23789	18.342	ug/l	99
47) Bromodichloromethane	9.50	83	54653	18.365	ug/l	99
48) Methyl methacrylate	9.30	41	27688	17.986	ug/l	97
49) 1,4-Dioxane	9.31	88	6984	380.669	ug/l	93
51) 4-Methyl-2-Pentanone	10.08	43	174115	97.326	ug/l	100
52) Toluene	10.25	92	113711	18.873	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	59764	18.432	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	74139	19.019	ug/l	98
55) 1,1,2-Trichloroethane	10.65	97	35860	18.885	ug/l	98
56) Ethyl methacrylate	10.52	69	51545	19.019	ug/l	97
57) 1,3-Dichloropropane	10.80	76	62398	18.696	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	135195	96.332	ug/l	99
59) 2-Hexanone	10.84	43	116769	94.047	ug/l	100
60) Dibromochloromethane	10.99	129	38019	18.777	ug/l	100
61) 1,2-Dibromoethane	11.10	107	34049	18.835	ug/l	100
64) Tetrachloroethene	10.72	164	56461	18.661	ug/l	97
65) Chlorobenzene	11.52	112	117893	18.951	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	39181	19.077	ug/l	99
67) Ethyl Benzene	11.60	91	216079	18.974	ug/l	100
68) m/p-Xylenes	11.70	106	162530	38.104	ug/l	99
69) o-Xylene	12.03	106	75714	18.907	ug/l	99
70) Styrene	12.05	104	130739	18.818	ug/l	99
71) Bromoform	12.21	173	21526	19.273	ug/l #	98
73) Isopropylbenzene	12.33	105	202915	18.792	ug/l	99
74) N-amyl acetate	12.15	43	57127	18.637	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.59	83	26971	20.645	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	30661m	19.210	ug/l	
77) Bromobenzene	12.61	156	43265	18.211	ug/l	95
78) n-propylbenzene	12.67	91	249083	18.547	ug/l	100
79) 2-Chlorotoluene	12.76	91	136479	18.700	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	164889	18.464	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.39	75	15803	19.257	ug/l	97
82) 4-Chlorotoluene	12.86	91	142823	18.671	ug/l	99
83) tert-Butylbenzene	13.08	119	138991	18.581	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	167352	18.766	ug/l	99
85) sec-Butylbenzene	13.26	105	207513	18.622	ug/l	100
86) p-Isopropyltoluene	13.38	119	181272	18.901	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	87136	18.925	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	85274	18.246	ug/l	98
89) n-Butylbenzene	13.70	91	181479	18.460	ug/l	100
90) Hexachloroethane	13.97	117	33823	18.507	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	78779	18.830	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	6075	19.226	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	49338	18.042	ug/l	99
94) Hexachlorobutadiene	15.12	225	24964	18.125	ug/l	99
95) Naphthalene	15.24	128	108143	18.062	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	43371	18.266	ug/l	99

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

