

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030320\
 Data File : VY001828.D
 Acq On : 03 Mar 2020 12:47
 Operator : SY/MD
 Sample : VY0303SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0303SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/4/2020 2:02:01 PM

Quant Time: Mar 04 04:07:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	177627	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.70	114	319570	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.50	117	286953	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	138128	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	94560	49.49	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	98.98%	
35) Dibromofluoromethane	7.73	113	86365	47.18	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	94.36%	
50) Toluene-d8	10.19	98	353572	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	
62) 4-Bromofluorobenzene	12.49	95	128400	46.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	30317	17.509	ug/l	95
3) Chloromethane	2.12	50	40386	17.341	ug/l	99
4) Vinyl Chloride	2.26	62	41399	17.624	ug/l	98
5) Bromomethane	2.65	94	27427	18.682	ug/l	97
6) Chloroethane	2.80	64	27589	19.060	ug/l	99
7) Trichlorofluoromethane	3.13	101	62519	20.796	ug/l	99
8) Diethyl Ether	3.53	74	24269	20.477	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	38637	20.447	ug/l	99
10) Methyl Iodide	4.10	142	41796	18.073	ug/l	99
11) Tert butyl alcohol	4.96	59	27602	110.578	ug/l	97
12) 1,1-Dichloroethene	3.88	96	37322	19.365	ug/l	96
13) Acrolein	3.74	56	15862	82.202	ug/l	99
14) Allyl chloride	4.49	41	69532	20.272	ug/l	98
15) Acrylonitrile	5.18	53	66304	109.144	ug/l	99
16) Acetone	3.96	43	61285	92.701	ug/l	99
17) Carbon Disulfide	4.20	76	113077	17.574	ug/l	99
18) Methyl Acetate	4.49	43	34694	24.098	ug/l	100
19) Methyl tert-butyl Ether	5.24	73	112042	20.880	ug/l	96
20) Methylene Chloride	4.73	84	63976	27.244	ug/l	98
21) trans-1,2-Dichloroethene	5.23	96	43483	19.775	ug/l	96
22) Diisopropyl ether	6.13	45	147307	20.913	ug/l	95
23) Vinyl Acetate	6.07	43	463046	100.778	ug/l	98
24) 1,1-Dichloroethane	6.03	63	77485	20.581	ug/l	98
25) 2-Butanone	7.00	43	91922	102.354	ug/l	97
26) 2,2-Dichloropropane	6.99	77	64202	19.601	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	48628	20.035	ug/l	99
28) Bromochloromethane	7.35	49	31464	20.063	ug/l	97
29) Tetrahydrofuran	7.36	42	58344	107.484	ug/l	98
30) Chloroform	7.52	83	72613	19.739	ug/l	98
31) Cyclohexane	7.80	56	77762	19.372	ug/l	89
32) 1,1,1-Trichloroethane	7.72	97	61099	19.762	ug/l	98
36) 1,1-Dichloropropene	7.93	75	60886	19.946	ug/l	99
37) Ethyl Acetate	7.09	43	37748	20.719	ug/l	99
38) Carbon Tetrachloride	7.91	117	52447	19.561	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	78460	19.374	ug/l	99
40) Benzene	8.17	78	181834	20.254	ug/l	97
41) Methacrylonitrile	7.33	41	20336m	22.230	ug/l	
42) 1,2-Dichloroethane	8.25	62	49086	20.070	ug/l	100
43) Isopropyl Acetate	8.28	43	72853	21.075	ug/l	99
44) Trichloroethene	8.94	130	43857	19.569	ug/l	95
45) 1,2-Dichloropropane	9.22	63	46978	20.894	ug/l	98
46) Dibromomethane	9.32	93	24184	20.565	ug/l	99
47) Bromodichloromethane	9.50	83	56085	19.761	ug/l	99
48) Methyl methacrylate	9.30	41	31578	20.199	ug/l	98
49) 1,4-Dioxane	9.31	88	6477	389.960	ug/l	90
51) 4-Methyl-2-Pentanone	10.08	43	189209	106.533	ug/l	99
52) Toluene	10.25	92	111202	19.858	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	61801	19.697	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	73095	20.241	ug/l	99
55) 1,1,2-Trichloroethane	10.65	97	35704	20.590	ug/l	98
56) Ethyl methacrylate	10.52	69	54514	20.956	ug/l	99
57) 1,3-Dichloropropane	10.80	76	63700	20.675	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	146119	141.026	ug/l	100
59) 2-Hexanone	10.84	43	136691	102.574	ug/l	99
60) Dibromochloromethane	10.99	129	37858	19.803	ug/l	99
61) 1,2-Dibromoethane	11.10	107	33701	20.555	ug/l	98
64) Tetrachloroethene	10.72	164	36755	20.404	ug/l	98
65) Chlorobenzene	11.52	112	116039	20.255	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	39338	20.355	ug/l	99
67) Ethyl Benzene	11.60	91	213350	20.067	ug/l	97
68) m/p-Xylenes	11.70	106	160787	40.486	ug/l	98
69) o-Xylene	12.03	106	76299	20.209	ug/l	95
70) Styrene	12.05	104	132778	20.235	ug/l	99
71) Bromoform	12.22	173	21914	19.842	ug/l #	96
73) Isopropylbenzene	12.33	105	204885	19.470	ug/l	100
74) N-amyl acetate	12.15	43	67644	20.142	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	46108	20.521	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	33005m	20.830	ug/l	
77) Bromobenzene	12.61	156	44238	19.393	ug/l	99
78) n-propylbenzene	12.67	91	254868	19.887	ug/l	100
79) 2-Chlorotoluene	12.76	91	141442	19.678	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	172729	19.830	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	16548	19.813	ug/l	95
82) 4-Chlorotoluene	12.86	91	149393	19.706	ug/l	98
83) tert-Butylbenzene	13.08	119	146898	20.164	ug/l	97
84) 1,2,4-Trimethylbenzene	13.13	105	173620	19.993	ug/l	99
85) sec-Butylbenzene	13.26	105	212253	19.809	ug/l	99
86) p-Isopropyltoluene	13.38	119	184044	19.772	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	88244	19.946	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	89391	19.989	ug/l	99
89) n-Butylbenzene	13.70	91	191950	20.181	ug/l	100
90) Hexachloroethane	13.97	117	33595	19.156	ug/l	97
91) 1,2-Dichlorobenzene	13.75	146	80883	19.811	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	7418	20.005	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	53568	19.799	ug/l	99
94) Hexachlorobutadiene	15.12	225	26619	19.783	ug/l	98
95) Naphthalene	15.25	128	128688	20.629	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	48240	20.267	ug/l	100

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

