

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021820\
 Data File : VY001666.D
 Acq On : 18 Feb 2020 12:07
 Operator : SY/MD
 Sample : VY0218SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0218SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 1:42:55 PM

Quant Time: Feb 19 07:13:03 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	7.81	168	181054	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	319508	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	286186	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	133464	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	99460	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
35) Dibromofluoromethane	7.74	113	91781	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
50) Toluene-d8	10.19	98	388039	54.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.24%	
62) 4-Bromofluorobenzene	12.49	95	135612	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	33571	19.022	ug/l	98
3) Chloromethane	2.12	50	48277	20.337	ug/l	96
4) Vinyl Chloride	2.26	62	49422	20.642	ug/l	97
5) Bromomethane	2.65	94	32835	21.943	ug/l	97
6) Chloroethane	2.80	64	31524	21.366	ug/l	96
7) Trichlorofluoromethane	3.13	101	64532	21.059	ug/l	95
8) Diethyl Ether	3.55	74	24811	20.538	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.92	101	40586	21.072	ug/l	97
10) Methyl Iodide	4.10	142	47226	20.034	ug/l	99
11) Tert butyl alcohol	4.97	59	34959	144.236	ug/l #	93
12) 1,1-Dichloroethene	3.89	96	40823	20.781	ug/l	97
13) Acrolein	3.74	56	20050	101.938	ug/l	95
14) Allyl chloride	4.50	41	73088	20.905	ug/l	98
15) Acrylonitrile	5.19	53	66058	106.681	ug/l	99
16) Acetone	3.97	43	59965	88.988	ug/l	99
17) Carbon Disulfide	4.21	76	133628	20.375	ug/l	100
18) Methyl Acetate	4.50	43	30336	20.672	ug/l	100
19) Methyl tert-butyl Ether	5.25	73	113150	20.688	ug/l	100
20) Methylene Chloride	4.74	84	50507	21.101	ug/l	99
21) trans-1,2-Dichloroethene	5.25	96	47452	21.171	ug/l	98
22) Diisopropyl ether	6.14	45	150656	20.983	ug/l	96
23) Vinyl Acetate	6.09	43	488023	104.204	ug/l	99
24) 1,1-Dichloroethane	6.05	63	81668	21.282	ug/l	98
25) 2-Butanone	7.02	43	90315	98.661	ug/l	97
26) 2,2-Dichloropropane	7.00	77	71055	21.282	ug/l	98
27) cis-1,2-Dichloroethene	7.02	96	50606	20.455	ug/l	97
28) Bromochloromethane	7.36	49	31526	19.722	ug/l	100
29) Tetrahydrofuran	7.38	42	58836	106.338	ug/l	96
30) Chloroform	7.53	83	77138	20.572	ug/l	99
31) Cyclohexane	7.81	56	83550	20.420	ug/l	91
32) 1,1,1-Trichloroethane	7.72	97	65222	20.696	ug/l	99
36) 1,1-Dichloropropene	7.94	75	64128	21.012	ug/l	98
37) Ethyl Acetate	7.10	43	39023	21.423	ug/l	99
38) Carbon Tetrachloride	7.93	117	56064	20.914	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	86700	21.413	ug/l	98
40) Benzene	8.18	78	191988	21.389	ug/l	100
41) Methacrylonitrile	7.35	41	22484m	24.583	ug/l	
42) 1,2-Dichloroethane	8.26	62	50979	20.848	ug/l	99
43) Isopropyl Acetate	8.30	43	72221	20.896	ug/l	98
44) Trichloroethene	8.96	130	47668	21.274	ug/l	96
45) 1,2-Dichloropropane	9.23	63	48582	21.612	ug/l	99
46) Dibromomethane	9.32	93	24572	20.899	ug/l	97
47) Bromodichloromethane	9.51	83	59027	20.802	ug/l	98
48) Methyl methacrylate	9.31	41	32247	20.631	ug/l	97
49) 1,4-Dioxane	9.32	88	6894	415.147	ug/l	93
51) 4-Methyl-2-Pentanone	10.08	43	187627	105.662	ug/l	98
52) Toluene	10.26	92	120285	21.484	ug/l	98
53) t-1,3-Dichloropropene	10.48	75	65984	21.034	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	76182	21.100	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	36532	21.072	ug/l	97
56) Ethyl methacrylate	10.52	69	53389	20.528	ug/l	95
57) 1,3-Dichloropropane	10.80	76	65069	21.123	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	134699	128.415	ug/l	99
59) 2-Hexanone	10.85	43	134059	100.618	ug/l	99
60) Dibromochloromethane	11.00	129	39998	20.926	ug/l	99
61) 1,2-Dibromoethane	11.10	107	34143	20.829	ug/l	97
64) Tetrachloroethene	10.73	164	38823	21.610	ug/l	98
65) Chlorobenzene	11.53	112	122009	21.354	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	41781	21.677	ug/l	98
67) Ethyl Benzene	11.60	91	227406	21.447	ug/l	99
68) m/p-Xylenes	11.71	106	170923	43.154	ug/l	97
69) o-Xylene	12.04	106	80212	21.302	ug/l	98
70) Styrene	12.05	104	140225	21.428	ug/l	99
71) Bromoform	12.22	173	22701	20.610	ug/l #	98
73) Isopropylbenzene	12.34	105	217349	21.377	ug/l	100
74) N-amyl acetate	12.15	43	67295	20.739	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.59	83	44388	20.446	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	29598m	19.332	ug/l	
77) Bromobenzene	12.62	156	47522	21.560	ug/l	94
78) n-propylbenzene	12.68	91	266687	21.536	ug/l	100
79) 2-Chlorotoluene	12.77	91	146576	21.104	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	179942	21.380	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	16051	19.890	ug/l	96
82) 4-Chlorotoluene	12.86	91	153616	20.971	ug/l	98
83) tert-Butylbenzene	13.08	119	149710	21.268	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	181967	21.686	ug/l	98
85) sec-Butylbenzene	13.27	105	223909	21.628	ug/l	100
86) p-Isopropyltoluene	13.38	119	195705	21.760	ug/l	98
87) 1,3-Dichlorobenzene	13.38	146	92040	21.531	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	92874	21.494	ug/l	99
89) n-Butylbenzene	13.70	91	197588	21.500	ug/l	99
90) Hexachloroethane	13.97	117	35853	21.158	ug/l	97
91) 1,2-Dichlorobenzene	13.75	146	83976	21.287	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.37	75	7635	21.310	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	54992	21.036	ug/l	100
94) Hexachlorobutadiene	15.12	225	26971	20.745	ug/l	98
95) Naphthalene	15.25	128	121033	20.080	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	47269	20.553	ug/l	99

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

