

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050420\
 Data File : VY002557.D
 Acq On : 04 May 2020 22:38
 Operator : SY/MD
 Sample : VY0504SBS02
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0504SBS02

Manual Integrations
 APPROVED

MMDadoda
 5/5/2020 11:29:20 AM

Quant Time: May 05 08:48:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	380813	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	594215	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	538272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	270330	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	170464	53.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.48%	
35) Dibromofluoromethane	7.74	113	176988	52.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.16%	
50) Toluene-d8	10.19	98	681515	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
62) 4-Bromofluorobenzene	12.49	95	231675	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	46221	15.949	ug/l	97
3) Chloromethane	2.13	50	58262	18.884	ug/l	98
4) Vinyl Chloride	2.26	62	68522	19.234	ug/l	100
5) Bromomethane	2.65	94	49561	20.173	ug/l	94
6) Chloroethane	2.80	64	42538	19.997	ug/l	97
7) Trichlorofluoromethane	3.15	101	106558	19.299	ug/l	99
8) Diethyl Ether	3.55	74	40834	22.007	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.93	101	65911	19.532	ug/l	98
10) Methyl Iodide	4.11	142	92262	20.068	ug/l	98
11) Tert butyl alcohol	5.00	59	37901	115.052	ug/l	96
12) 1,1-Dichloroethene	3.90	96	66147	20.178	ug/l	98
13) Acrolein	3.76	56	18637	81.814	ug/l	95
14) Allyl chloride	4.51	41	101794	21.312	ug/l	99
15) Acrylonitrile	5.21	53	96519	110.307	ug/l	99
16) Acetone	3.97	43	71244	107.813	ug/l	99
17) Carbon Disulfide	4.22	76	182581	18.513	ug/l	100
18) Methyl Acetate	4.51	43	49924	22.611	ug/l	99
19) Methyl tert-butyl Ether	5.25	73	188307	22.017	ug/l	99
20) Methylene Chloride	4.75	84	83789	22.674	ug/l	99
21) trans-1,2-Dichloroethene	5.25	96	74458	20.781	ug/l	96
22) Diisopropyl ether	6.15	45	223007	23.075	ug/l	99
23) Vinyl Acetate	6.10	43	674415	110.960	ug/l	99
24) 1,1-Dichloroethane	6.05	63	126093	22.054	ug/l	99
25) 2-Butanone	7.02	43	120457	111.358	ug/l	98
26) 2,2-Dichloropropane	7.01	77	103002	18.953	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	85360	21.531	ug/l	99
28) Bromochloromethane	7.36	49	50777	21.676	ug/l	98
29) Tetrahydrofuran	7.38	42	79966	111.735	ug/l	99
30) Chloroform	7.54	83	129211	21.735	ug/l	95
31) Cyclohexane	7.81	56	110839	19.259	ug/l	96
32) 1,1,1-Trichloroethane	7.73	97	112924	20.436	ug/l	99
36) 1,1-Dichloropropene	7.94	75	98129	19.699	ug/l	99
37) Ethyl Acetate	7.11	43	54701	21.369	ug/l	98
38) Carbon Tetrachloride	7.93	117	103503	19.032	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	121969	18.538	ug/l	98
40) Benzene	8.19	78	293415	20.394	ug/l	99
41) Methacrylonitrile	7.35	41	35331m	25.671	ug/l	
42) 1,2-Dichloroethane	8.26	62	81973	20.312	ug/l	98
43) Isopropyl Acetate	8.29	43	103339	21.534	ug/l	99
44) Trichloroethene	8.96	130	92717	20.621	ug/l	99
45) 1,2-Dichloropropane	9.24	63	73705	21.227	ug/l	98
46) Dibromomethane	9.33	93	41631	20.838	ug/l	98
47) Bromodichloromethane	9.52	83	100934	20.778	ug/l	96
48) Methyl methacrylate	9.31	41	45484	20.943	ug/l	99
49) 1,4-Dioxane	9.32	88	11658	440.727	ug/l	99
51) 4-Methyl-2-Pentanone	10.08	43	267970	108.335	ug/l	100
52) Toluene	10.26	92	188607	20.398	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	103520	20.339	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	119348	20.284	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	61414	21.080	ug/l	99
56) Ethyl methacrylate	10.52	69	82635	21.321	ug/l	98
57) 1,3-Dichloropropane	10.80	76	103385	20.925	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.80	63	209574	102.538	ug/l	99
59) 2-Hexanone	10.85	43	184326	108.271	ug/l	100
60) Dibromochloromethane	11.00	129	78092	21.075	ug/l	98
61) 1,2-Dibromoethane	11.10	107	60261	20.890	ug/l	100
64) Tetrachloroethene	10.74	164	101308	21.183	ug/l	98
65) Chlorobenzene	11.53	112	210812	20.602	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	80728	21.253	ug/l	98
67) Ethyl Benzene	11.60	91	364458	20.277	ug/l	99
68) m/p-Xylenes	11.71	106	275992	39.685	ug/l	98
69) o-Xylene	12.04	106	131496	20.194	ug/l	98
70) Styrene	12.05	104	230935	20.745	ug/l	99
71) Bromoform	12.22	173	49905	21.168	ug/l #	99
73) Isopropylbenzene	12.34	105	361128	20.612	ug/l	100
74) N-amyl acetate	12.16	43	93233	22.122	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.60	83	56591	20.310	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	47413m	19.736	ug/l	
77) Bromobenzene	12.62	156	92405	21.111	ug/l	98
78) n-propylbenzene	12.68	91	414265	20.375	ug/l	99
79) 2-Chlorotoluene	12.77	91	236706	21.018	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	300802	20.713	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	23456	19.578	ug/l	99
82) 4-Chlorotoluene	12.86	91	243251	20.562	ug/l	100
83) tert-Butylbenzene	13.08	119	269250	21.144	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	302202	20.880	ug/l	99
85) sec-Butylbenzene	13.27	105	364437	20.625	ug/l	99
86) p-Isopropyltoluene	13.38	119	339494	20.505	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	171347	20.683	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	172027	20.970	ug/l	99
89) n-Butylbenzene	13.70	91	304391	20.196	ug/l	100
90) Hexachloroethane	13.97	117	64745	21.474	ug/l	97
91) 1,2-Dichlorobenzene	13.75	146	156794	21.210	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	10870	20.928	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	108336	20.186	ug/l	100
94) Hexachlorobutadiene	15.12	225	66710	20.708	ug/l	99
95) Naphthalene	15.25	128	208855	21.332	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	94749	20.796	ug/l	99

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

