

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031820\
 Data File : VY002005.D
 Acq On : 18 Mar 2020 11:47
 Operator : SY/MD
 Sample : VY0318SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0318SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/19/2020 11:59:36 AM

Quant Time: Mar 19 04:12:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	152353	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	277172	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	250051	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	119458	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	85067	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	
35) Dibromofluoromethane	7.75	113	79335	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	
50) Toluene-d8	10.19	98	322952	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	
62) 4-Bromofluorobenzene	12.49	95	113290	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	27487	19.545	ug/l	97
3) Chloromethane	2.13	50	37876	19.976	ug/l	98
4) Vinyl Chloride	2.27	62	39596	20.531	ug/l	99
5) Bromomethane	2.66	94	26470	19.985	ug/l	98
6) Chloroethane	2.81	64	25634	21.159	ug/l	96
7) Trichlorofluoromethane	3.15	101	54102	20.685	ug/l	93
8) Diethyl Ether	3.55	74	22770	22.088	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.93	101	36046	21.427	ug/l	100
10) Methyl Iodide	4.12	142	39618	20.364	ug/l	98
11) Tert butyl alcohol	4.99	59	29025	163.688	ug/l #	80
12) 1,1-Dichloroethene	3.90	96	35855	21.167	ug/l	98
13) Acrolein	3.75	56	19012	83.183	ug/l	97
14) Allyl chloride	4.52	41	64899	21.612	ug/l	99
15) Acrylonitrile	5.21	53	60711	110.211	ug/l	100
16) Acetone	3.97	43	49020	103.478	ug/l	97
17) Carbon Disulfide	4.22	76	110228	19.358	ug/l	98
18) Methyl Acetate	4.52	43	27171	22.322	ug/l	97
19) Methyl tert-butyl Ether	5.25	73	102788	22.392	ug/l	98
20) Methylene Chloride	4.75	84	45128	22.227	ug/l	93
21) trans-1,2-Dichloroethene	5.25	96	40238	20.929	ug/l	97
22) Diisopropyl ether	6.15	45	136578	22.188	ug/l	99
23) Vinyl Acetate	6.10	43	439251	108.851	ug/l	99
24) 1,1-Dichloroethane	6.05	63	71249	21.374	ug/l	99
25) 2-Butanone	7.02	43	80328	111.504	ug/l	99
26) 2,2-Dichloropropane	7.02	77	60609	22.153	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	45568	21.789	ug/l	98
28) Bromochloromethane	7.36	49	32734	21.786	ug/l	99
29) Tetrahydrofuran	7.38	42	52720	110.201	ug/l	99
30) Chloroform	7.53	83	67008	21.396	ug/l	97
31) Cyclohexane	7.81	56	72827	20.376	ug/l	95
32) 1,1,1-Trichloroethane	7.73	97	57702	21.860	ug/l	99
36) 1,1-Dichloropropene	7.94	75	56471	21.172	ug/l	99
37) Ethyl Acetate	7.11	43	34381	22.178	ug/l	99
38) Carbon Tetrachloride	7.92	117	48867	21.447	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	73283	20.715	ug/l	99
40) Benzene	8.18	78	169599	21.453	ug/l	98
41) Methacrylonitrile	7.35	41	14901m	21.359	ug/l	
42) 1,2-Dichloroethane	8.26	62	44656	21.921	ug/l	99
43) Isopropyl Acetate	8.30	43	64477	21.969	ug/l	98
44) Trichloroethene	8.96	130	40799	21.190	ug/l	100
45) 1,2-Dichloropropane	9.24	63	43702	21.990	ug/l	95
46) Dibromomethane	9.32	93	22031	21.512	ug/l	99
47) Bromodichloromethane	9.52	83	51957	21.809	ug/l	99
48) Methyl methacrylate	9.31	41	27716	21.282	ug/l	94
49) 1,4-Dioxane	9.31	88	5945	423.640	ug/l #	82
51) 4-Methyl-2-Pentanone	10.08	43	174220	115.246	ug/l	99
52) Toluene	10.25	92	104262	21.710	ug/l	98
53) t-1,3-Dichloropropene	10.48	75	58407	22.503	ug/l	96
54) cis-1,3-Dichloropropene	9.94	75	67847	21.958	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	32996	22.015	ug/l	98
56) Ethyl methacrylate	10.52	69	47846	21.779	ug/l	94
57) 1,3-Dichloropropane	10.80	76	59140	22.136	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	124961	149.834	ug/l	100
59) 2-Hexanone	10.85	43	118285	109.625	ug/l	100
60) Dibromochloromethane	11.00	129	34419	21.793	ug/l	97
61) 1,2-Dibromoethane	11.10	107	30755	21.662	ug/l	100
64) Tetrachloroethene	10.73	164	34302	21.875	ug/l	96
65) Chlorobenzene	11.53	112	106993	21.474	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	35934	21.993	ug/l	99
67) Ethyl Benzene	11.60	91	197885	21.296	ug/l	99
68) m/p-Xylenes	11.71	106	148500	43.227	ug/l	100
69) o-Xylene	12.04	106	70263	21.700	ug/l	100
70) Styrene	12.05	104	121013	21.821	ug/l	100
71) Bromoform	12.22	173	19551	22.065	ug/l #	99
73) Isopropylbenzene	12.34	105	189835	20.817	ug/l	99
74) N-amyl acetate	12.15	43	58746	20.961	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.59	83	42426	21.574	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	32181m	22.703	ug/l	
77) Bromobenzene	12.62	156	40538	20.982	ug/l	99
78) n-propylbenzene	12.68	91	235462	20.929	ug/l	99
79) 2-Chlorotoluene	12.77	91	129169	20.781	ug/l	98
80) 1,3,5-Trimethylbenzene	12.82	105	156871	20.896	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	14573	20.767	ug/l	97
82) 4-Chlorotoluene	12.86	91	136214	21.048	ug/l	100
83) tert-Butylbenzene	13.08	119	131961	21.163	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	158539	21.280	ug/l	99
85) sec-Butylbenzene	13.26	105	198536	21.602	ug/l	100
86) p-Isopropyltoluene	13.38	119	171068	21.577	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	80861	21.358	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	81765	21.288	ug/l	99
89) n-Butylbenzene	13.70	91	174303	21.190	ug/l	98
90) Hexachloroethane	13.97	117	32530	21.749	ug/l	97
91) 1,2-Dichlorobenzene	13.75	146	73875	21.478	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	6558	21.371	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	48705	21.835	ug/l	99
94) Hexachlorobutadiene	15.12	225	23352	21.473	ug/l	99
95) Naphthalene	15.25	128	111947	21.158	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	42727	21.744	ug/l	99

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

