

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY061820\
 Data File : VY002917.D
 Acq On : 18 Jun 2020 14:01
 Operator : SY/MD
 Sample : VY0618SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0618SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/19/2020 1:12:14 PM

Quant Time: Jun 19 05:28:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 13:13:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	268444	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	389720	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	364726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	201907	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	114875	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
35) Dibromofluoromethane	7.72	113	117993	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	
50) Toluene-d8	10.18	98	454820	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
62) 4-Bromofluorobenzene	12.48	95	164983	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	34585	18.724	ug/l	100
3) Chloromethane	2.12	50	41288	20.209	ug/l	96
4) Vinyl Chloride	2.26	62	42681	19.764	ug/l	99
5) Bromomethane	2.65	94	32957	20.365	ug/l	98
6) Chloroethane	2.79	64	29381	20.988	ug/l	98
7) Trichlorofluoromethane	3.13	101	82275	21.512	ug/l	100
8) Diethyl Ether	3.54	74	29231	19.573	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	50281	22.142	ug/l	99
10) Methyl Iodide	4.10	142	64412	20.271	ug/l	99
11) Tert butyl alcohol	4.97	59	32388	122.786	ug/l	96
12) 1,1-Dichloroethene	3.88	96	49136	21.516	ug/l	98
13) Acrolein	3.74	56	18290	66.960	ug/l	97
14) Allyl chloride	4.49	41	68826	21.013	ug/l	98
15) Acrylonitrile	5.18	53	72459	107.549	ug/l	99
16) Acetone	3.96	43	61684	112.860	ug/l	94
17) Carbon Disulfide	4.20	76	130956	18.976	ug/l	98
18) Methyl Acetate	4.49	43	34776	24.871	ug/l	98
19) Methyl tert-butyl Ether	5.22	73	134661	21.359	ug/l	99
20) Methylene Chloride	4.72	84	63374	23.727	ug/l	97
21) trans-1,2-Dichloroethene	5.23	96	53470	20.820	ug/l	97
22) Diisopropyl ether	6.13	45	144840	21.280	ug/l	93
23) Vinyl Acetate	6.07	43	464693	103.410	ug/l	100
24) 1,1-Dichloroethane	6.03	63	87006	21.852	ug/l	98
25) 2-Butanone	7.00	43	93123	109.360	ug/l	98
26) 2,2-Dichloropropane	6.99	77	85533	22.399	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	61432	21.367	ug/l	99
28) Bromochloromethane	7.35	49	35581	21.769	ug/l	97
29) Tetrahydrofuran	7.35	42	58706	105.989	ug/l	98
30) Chloroform	7.52	83	92374	21.864	ug/l	98
31) Cyclohexane	7.79	56	78500	19.858	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	85694	21.766	ug/l	99
36) 1,1-Dichloropropene	7.93	75	71213	21.692	ug/l	99
37) Ethyl Acetate	7.08	43	39552	22.144	ug/l	99
38) Carbon Tetrachloride	7.91	117	80506	22.075	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	89426	20.666	ug/l	98
40) Benzene	8.17	78	209406	21.588	ug/l	98
41) Methacrylonitrile	7.32	41	18764m	19.555	ug/l	
42) 1,2-Dichloroethane	8.24	62	59687	21.955	ug/l	99
43) Isopropyl Acetate	8.28	43	73358	21.673	ug/l	100
44) Trichloroethene	8.94	130	65629	21.419	ug/l	100
45) 1,2-Dichloropropane	9.22	63	50988	21.919	ug/l	94
46) Dibromomethane	9.31	93	29995	21.711	ug/l	99
47) Bromodichloromethane	9.50	83	73849	22.675	ug/l	95
48) Methyl methacrylate	9.30	41	32304	21.142	ug/l	99
49) 1,4-Dioxane	9.31	88	9221	434.689	ug/l	94
51) 4-Methyl-2-Pentanone	10.07	43	196383	109.569	ug/l	100
52) Toluene	10.24	92	137215	21.623	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	77727	21.850	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	88744	22.016	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	46373	21.925	ug/l	94
56) Ethyl methacrylate	10.51	69	60682	21.420	ug/l	98
57) 1,3-Dichloropropane	10.79	76	73939	21.254	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	151702	109.591	ug/l	99
59) 2-Hexanone	10.83	43	140909	110.804	ug/l	100
60) Dibromochloromethane	10.99	129	59443	22.168	ug/l	99
61) 1,2-Dibromoethane	11.09	107	45777	21.941	ug/l	100
64) Tetrachloroethene	10.72	164	68940	20.797	ug/l	99
65) Chlorobenzene	11.52	112	155864	21.621	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	59651	21.971	ug/l	98
67) Ethyl Benzene	11.59	91	272155	21.777	ug/l	99
68) m/p-Xylenes	11.70	106	212543	43.864	ug/l	98
69) o-Xylene	12.03	106	100993	22.078	ug/l	99
70) Styrene	12.04	104	173022	21.820	ug/l	99
71) Bromoform	12.20	173	40894	22.510	ug/l #	99
73) Isopropylbenzene	12.33	105	273247	21.118	ug/l	99
74) N-amyl acetate	12.14	43	69163	20.833	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	50570	22.275	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	38563m	21.196	ug/l	
77) Bromobenzene	12.61	156	71985	21.366	ug/l	97
78) n-propylbenzene	12.67	91	320247	21.427	ug/l	100
79) 2-Chlorotoluene	12.75	91	178005	21.232	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	232875	21.555	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	20368	21.092	ug/l #	78
82) 4-Chlorotoluene	12.85	91	188344	21.442	ug/l	100
83) tert-Butylbenzene	13.07	119	207526	21.535	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	233729	21.516	ug/l	99
85) sec-Butylbenzene	13.25	105	284377	21.582	ug/l	100
86) p-Isopropyltoluene	13.37	119	266271	21.717	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	138417	21.689	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	136134	21.324	ug/l	99
89) n-Butylbenzene	13.70	91	241211	21.669	ug/l	100
90) Hexachloroethane	13.96	117	49510	21.570	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	126115	21.790	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	9292	21.274	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	95194	21.821	ug/l	99
94) Hexachlorobutadiene	15.11	225	55676	22.502	ug/l	99
95) Naphthalene	15.23	128	184701	21.116	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	84066	21.579	ug/l	99

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

