

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042320\
 Data File : VY002462.D
 Acq On : 23 Apr 2020 16:18
 Operator : SY/MD
 Sample : VY0423SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0423SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/24/2020 1:33:44 PM

Quant Time: Apr 24 02:02:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 14:11:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	316582	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.71	114	471719	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	430973	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	219577	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	126624	45.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.52%	
35) Dibromofluoromethane	7.74	113	125170	47.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.08%	
50) Toluene-d8	10.19	98	478653	44.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.52%	
62) 4-Bromofluorobenzene	12.49	95	163142	45.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	48660	20.988	ug/l	96
3) Chloromethane	2.12	50	62104	21.053	ug/l	98
4) Vinyl Chloride	2.26	62	54666	25.796	ug/l	98
5) Bromomethane	2.65	94	26651	22.408	ug/l	92
6) Chloroethane	2.80	64	22788	22.148	ug/l	97
7) Trichlorofluoromethane	3.14	101	88432	23.013	ug/l	99
8) Diethyl Ether	3.55	74	35836	22.625	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.92	101	58221	22.011	ug/l	100
10) Methyl Iodide	4.11	142	83005	20.341	ug/l	98
11) Tert butyl alcohol	4.99	59	31020	119.110	ug/l	99
12) 1,1-Dichloroethene	3.89	96	58469	21.574	ug/l	96
13) Acrolein	3.75	56	21521	103.230	ug/l	98
14) Allyl chloride	4.50	41	85934	21.577	ug/l	97
15) Acrylonitrile	5.20	53	84438	111.418	ug/l	98
16) Acetone	3.97	43	66593	115.160	ug/l	99
17) Carbon Disulfide	4.22	76	172605	20.425	ug/l	99
18) Methyl Acetate	4.50	43	41213	22.148	ug/l	99
19) Methyl tert-butyl Ether	5.25	73	159289	21.782	ug/l	99
20) Methylene Chloride	4.74	84	67790	20.533	ug/l	96
21) trans-1,2-Dichloroethene	5.25	96	63736	20.889	ug/l	96
22) Diisopropyl ether	6.14	45	171819	21.819	ug/l	95
23) Vinyl Acetate	6.09	43	555534	111.022	ug/l	100
24) 1,1-Dichloroethane	6.05	63	101494	21.288	ug/l	100
25) 2-Butanone	7.01	43	101924	115.050	ug/l	96
26) 2,2-Dichloropropane	7.00	77	93738	20.559	ug/l	98
27) cis-1,2-Dichloroethene	7.01	96	69990	21.090	ug/l	97
28) Bromochloromethane	7.36	49	40346	21.692	ug/l	100
29) Tetrahydrofuran	7.37	42	67695	115.254	ug/l	97
30) Chloroform	7.53	83	105978	20.877	ug/l	94
31) Cyclohexane	7.80	56	95582	20.049	ug/l #	93
32) 1,1,1-Trichloroethane	7.72	97	99510	20.746	ug/l	99
36) 1,1-Dichloropropene	7.94	75	82460	20.387	ug/l	98
37) Ethyl Acetate	7.10	43	45351	22.318	ug/l	99
38) Carbon Tetrachloride	7.92	117	93286	20.056	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	105157	19.930	ug/l	99
40) Benzene	8.17	78	243516	20.830	ug/l	98
41) Methacrylonitrile	7.35	41	28799m	23.004	ug/l	
42) 1,2-Dichloroethane	8.25	62	69908	20.585	ug/l	99
43) Isopropyl Acetate	8.29	43	83772	22.042	ug/l	99
44) Trichloroethene	8.96	130	74842	20.474	ug/l	99
45) 1,2-Dichloropropane	9.23	63	56321	20.903	ug/l	100
46) Dibromomethane	9.32	93	34278	21.745	ug/l	100
47) Bromodichloromethane	9.51	83	82225	20.858	ug/l	97
48) Methyl methacrylate	9.31	41	38045	21.928	ug/l	97
49) 1,4-Dioxane	9.31	88	8391	417.676	ug/l	94
51) 4-Methyl-2-Pentanone	10.08	43	218466	110.668	ug/l	100
52) Toluene	10.25	92	154404	20.518	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	88016	21.260	ug/l	95
54) cis-1,3-Dichloropropene	9.94	75	99190	20.933	ug/l	97
55) 1,1,2-Trichloroethane	10.66	97	48636	20.867	ug/l	97
56) Ethyl methacrylate	10.52	69	68203	21.415	ug/l	100
57) 1,3-Dichloropropane	10.80	76	84434	21.457	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	166928	108.389	ug/l	99
59) 2-Hexanone	10.85	43	151873	110.373	ug/l	100
60) Dibromochloromethane	11.00	129	64831	21.228	ug/l	99
61) 1,2-Dibromoethane	11.10	107	49037	21.217	ug/l	99
64) Tetrachloroethene	10.73	164	79656	20.167	ug/l	98
65) Chlorobenzene	11.53	112	171661	20.661	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	64361	20.645	ug/l	100
67) Ethyl Benzene	11.60	91	301679	20.373	ug/l	99
68) m/p-Xylenes	11.71	106	228663	40.114	ug/l	100
69) o-Xylene	12.04	106	111075	21.042	ug/l	99
70) Styrene	12.05	104	189277	20.592	ug/l	99
71) Bromoform	12.22	173	41177	20.967	ug/l #	98
73) Isopropylbenzene	12.34	105	300150	20.447	ug/l	99
74) N-amyl acetate	12.15	43	75694	21.760	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	48575	21.545	ug/l	97
76) 1,2,3-Trichloropropane	12.64	75	38288m	20.573	ug/l	
77) Bromobenzene	12.62	156	76163	20.687	ug/l	99
78) n-propylbenzene	12.68	91	344554	20.215	ug/l	100
79) 2-Chlorotoluene	12.77	91	189279	20.295	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	252804	20.291	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	21385	21.264	ug/l	95
82) 4-Chlorotoluene	12.86	91	198558	20.599	ug/l	99
83) tert-Butylbenzene	13.08	119	223867	20.691	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	251966	21.079	ug/l	99
85) sec-Butylbenzene	13.27	105	301860	20.836	ug/l	99
86) p-Isopropyltoluene	13.38	119	284315	20.579	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	143231	21.034	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	140857	20.803	ug/l	99
89) n-Butylbenzene	13.70	91	257009	20.165	ug/l	99
90) Hexachloroethane	13.97	117	50645	20.281	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	127979	21.824	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	9555	21.347	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	96359	20.820	ug/l	98
94) Hexachlorobutadiene	15.12	225	57452	20.568	ug/l	100
95) Naphthalene	15.25	128	182245	21.231	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	82511	21.018	ug/l	100

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

