

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062220\
 Data File : VY002966.D
 Acq On : 22 Jun 2020 12:11
 Operator : SY/MD
 Sample : VY0622SBSD01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0622SBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/23/2020 8:13:15 PM

Quant Time: Jun 22 14:36:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 20 06:39:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	322436	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	470731	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	439219	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	237824	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	131992	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	
35) Dibromofluoromethane	7.72	113	134452	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
50) Toluene-d8	10.18	98	533915	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
62) 4-Bromofluorobenzene	12.48	95	185051	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.91	85	34586	16.825	ug/l	99
3) Chloromethane	2.12	50	43104	18.468	ug/l	97
4) Vinyl Chloride	2.26	62	42270	16.868	ug/l	98
5) Bromomethane	2.65	94	34614	18.719	ug/l	96
6) Chloroethane	2.79	64	29654	18.296	ug/l	96
7) Trichlorofluoromethane	3.13	101	84635	18.808	ug/l	98
8) Diethyl Ether	3.54	74	30871	19.013	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	52204	19.263	ug/l	98
10) Methyl Iodide	4.10	142	63612	16.954	ug/l	99
11) Tert butyl alcohol	4.97	59	34867	112.211	ug/l	97
12) 1,1-Dichloroethene	3.88	96	49968	18.593	ug/l	94
13) Acrolein	3.74	56	24261	90.678	ug/l	100
14) Allyl chloride	4.48	41	71788	18.520	ug/l	100
15) Acrylonitrile	5.18	53	76834	98.669	ug/l	99
16) Acetone	3.96	43	64066	97.124	ug/l	97
17) Carbon Disulfide	4.20	76	131504	16.551	ug/l	99
18) Methyl Acetate	4.49	43	37216	20.148	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	142713	19.497	ug/l	96
20) Methylene Chloride	4.72	84	62171	14.768	ug/l	95
21) trans-1,2-Dichloroethene	5.22	96	55350	18.550	ug/l	94
22) Diisopropyl ether	6.12	45	151348	19.125	ug/l	94
23) Vinyl Acetate	6.07	43	489568	95.636	ug/l	99
24) 1,1-Dichloroethane	6.02	63	90201	19.240	ug/l	100
25) 2-Butanone	7.00	43	96994	98.128	ug/l	99
26) 2,2-Dichloropropane	6.99	77	86905	19.847	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	63229	18.960	ug/l	98
28) Bromochloromethane	7.35	49	35960	18.345	ug/l	98
29) Tetrahydrofuran	7.35	42	60948	95.457	ug/l	99
30) Chloroform	7.51	83	96847	19.723	ug/l	94
31) Cyclohexane	7.79	56	81491	17.820	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	88825	19.632	ug/l	99
36) 1,1-Dichloropropene	7.93	75	72235	18.895	ug/l	100
37) Ethyl Acetate	7.08	43	40907	19.270	ug/l	98
38) Carbon Tetrachloride	7.91	117	82654	19.618	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	90874	18.032	ug/l	99
40) Benzene	8.16	78	215621	18.945	ug/l	100
41) Methacrylonitrile	7.32	41	20850m	19.619	ug/l	
42) 1,2-Dichloroethane	8.24	62	62641	19.830	ug/l	98
43) Isopropyl Acetate	8.28	43	76619	19.383	ug/l	99
44) Trichloroethene	8.94	130	67654	19.190	ug/l	98
45) 1,2-Dichloropropane	9.22	63	52881	19.320	ug/l	97
46) Dibromomethane	9.31	93	32094	19.638	ug/l	97
47) Bromodichloromethane	9.50	83	75948	19.905	ug/l	99
48) Methyl methacrylate	9.30	41	33897	19.111	ug/l	96
49) 1,4-Dioxane	9.30	88	9715	405.594	ug/l	99
51) 4-Methyl-2-Pentanone	10.07	43	206349	98.507	ug/l	99
52) Toluene	10.24	92	140056	19.013	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	82668	19.935	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	90451	19.270	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	50060	20.540	ug/l	97
56) Ethyl methacrylate	10.51	69	65206	19.848	ug/l	99
57) 1,3-Dichloropropane	10.79	76	80684	19.852	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	158857	97.082	ug/l	99
59) 2-Hexanone	10.83	43	145695	98.928	ug/l	100
60) Dibromochloromethane	10.99	129	62779	20.198	ug/l	99
61) 1,2-Dibromoethane	11.09	107	48039	19.868	ug/l	99
64) Tetrachloroethene	10.72	164	73036	19.955	ug/l	95
65) Chlorobenzene	11.52	112	163925	19.717	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.59	131	62982	20.041	ug/l	99
67) Ethyl Benzene	11.59	91	278298	19.406	ug/l	99
68) m/p-Xylenes	11.70	106	217636	39.054	ug/l	99
69) o-Xylene	12.03	106	104309	19.857	ug/l	100
70) Styrene	12.04	104	181757	20.026	ug/l	99
71) Bromoform	12.20	173	43506	20.683	ug/l #	99
73) Isopropylbenzene	12.33	105	285646	19.597	ug/l	100
74) N-amyl acetate	12.14	43	72274	19.254	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	52291	19.350	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	39988m	19.307	ug/l	
77) Bromobenzene	12.61	156	75237	19.715	ug/l	98
78) n-propylbenzene	12.67	91	330005	19.515	ug/l	100
79) 2-Chlorotoluene	12.75	91	184866	19.518	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	241763	19.897	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	21182	19.525	ug/l	97
82) 4-Chlorotoluene	12.85	91	194638	19.541	ug/l	100
83) tert-Butylbenzene	13.07	119	217892	20.020	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	243865	19.945	ug/l	100
85) sec-Butylbenzene	13.25	105	295748	19.976	ug/l	100
86) p-Isopropyltoluene	13.37	119	277008	19.947	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	145049	20.165	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	144711	20.090	ug/l	99
89) n-Butylbenzene	13.69	91	249427	19.868	ug/l	100
90) Hexachloroethane	13.96	117	51872	20.053	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	133079	20.327	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	10184	20.172	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	100298	20.416	ug/l	100
94) Hexachlorobutadiene	15.11	225	57263	20.223	ug/l	98
95) Naphthalene	15.23	128	198249	20.247	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	91177	20.802	ug/l	99

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

