

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020720\
 Data File : VY001555.D
 Acq On : 07 Feb 2020 15:40
 Operator : SY/MD
 Sample : VY0207SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0207SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/10/2020 11:27:24 AM

Quant Time: Feb 08 03:01:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	203712	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	354540	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	319794	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	153699	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	108459	52.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.76%	
35) Dibromofluoromethane	7.74	113	99024	48.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.88%	
50) Toluene-d8	10.19	98	411720	53.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.46%	
62) 4-Bromofluorobenzene	12.49	95	148466	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	34744	17.424	ug/l	100
3) Chloromethane	2.13	50	45905	22.026	ug/l	95
4) Vinyl Chloride	2.26	62	48301	22.320	ug/l	95
5) Bromomethane	2.66	94	32056	23.553	ug/l	98
6) Chloroethane	2.81	64	30635	23.485	ug/l	93
7) Trichlorofluoromethane	3.14	101	64507	18.008	ug/l	96
8) Diethyl Ether	3.55	74	25147	20.803	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.92	101	40852	18.954	ug/l	98
10) Methyl Iodide	4.11	142	48617	17.703	ug/l	98
11) Tert butyl alcohol	5.00	59	24691	84.690	ug/l	98
12) 1,1-Dichloroethene	3.89	96	40151	18.747	ug/l	97
13) Acrolein	3.75	56	20327	104.663	ug/l	99
14) Allyl chloride	4.50	41	70883	21.634	ug/l	95
15) Acrylonitrile	5.19	53	65254	117.754	ug/l	100
16) Acetone	3.97	43	58959	99.375	ug/l	97
17) Carbon Disulfide	4.22	76	130847	19.191	ug/l	98
18) Methyl Acetate	4.51	43	30948	24.444	ug/l	97
19) Methyl tert-butyl Ether	5.25	73	113293	19.891	ug/l	96
20) Methylene Chloride	4.74	84	49024	18.086	ug/l	89
21) trans-1,2-Dichloroethene	5.25	96	45638	19.168	ug/l	94
22) Diisopropyl ether	6.14	45	144053	22.192	ug/l	92
23) Vinyl Acetate	6.09	43	484810	117.323	ug/l	97
24) 1,1-Dichloroethane	6.05	63	77614	19.878	ug/l	98
25) 2-Butanone	7.01	43	90470	117.537	ug/l	97
26) 2,2-Dichloropropane	7.00	77	69131	18.500	ug/l	99
27) cis-1,2-Dichloroethene	7.01	96	50962	19.597	ug/l	97
28) Bromochloromethane	7.36	49	29525	22.198	ug/l	90
29) Tetrahydrofuran	7.37	42	57807	125.302	ug/l	93
30) Chloroform	7.53	83	75352	19.053	ug/l	96
31) Cyclohexane	7.81	56	82854	20.745	ug/l	99
32) 1,1,1-Trichloroethane	7.72	97	67006	18.687	ug/l	97
36) 1,1-Dichloropropene	7.94	75	63393	19.545	ug/l	99
37) Ethyl Acetate	7.10	43	38464	24.498	ug/l	96
38) Carbon Tetrachloride	7.93	117	56939	18.145	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	83322	19.511	ug/l	99
40) Benzene	8.18	78	184620	19.956	ug/l	97
41) Methacrylonitrile	7.35	41	23044m	31.667	ug/l	
42) 1,2-Dichloroethane	8.26	62	51807	20.101	ug/l	100
43) Isopropyl Acetate	8.29	43	74000	23.804	ug/l	95
44) Trichloroethene	8.96	130	46970	18.836	ug/l	99
45) 1,2-Dichloropropane	9.24	63	47478	21.253	ug/l	98
46) Dibromomethane	9.32	93	24842	19.804	ug/l	97
47) Bromodichloromethane	9.52	83	59413	19.439	ug/l	95
48) Methyl methacrylate	9.31	41	32390	22.956	ug/l	96
49) 1,4-Dioxane	9.32	88	7344	443.310	ug/l	97
51) 4-Methyl-2-Pentanone	10.09	43	191412	125.028	ug/l	96
52) Toluene	10.26	92	117396	20.000	ug/l	100
53) t-1,3-Dichloropropene	10.48	75	65967	19.816	ug/l	97
54) cis-1,3-Dichloropropene	9.94	75	74507	19.495	ug/l	97
55) 1,1,2-Trichloroethane	10.66	97	37179	20.658	ug/l	99
56) Ethyl methacrylate	10.52	69	55800	21.798	ug/l	94
57) 1,3-Dichloropropane	10.80	76	65509	20.649	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	104649	111.127	ug/l	97
59) 2-Hexanone	10.85	43	136553	122.674	ug/l	96
60) Dibromochloromethane	11.00	129	39905	18.810	ug/l	100
61) 1,2-Dibromoethane	11.10	107	35634	20.102	ug/l	100
64) Tetrachloroethene	10.74	164	38821	18.510	ug/l	99
65) Chlorobenzene	11.53	112	120925	19.258	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	40537	18.446	ug/l	97
67) Ethyl Benzene	11.61	91	226562	19.515	ug/l	97
68) m/p-Xylenes	11.72	106	171056	39.247	ug/l	98
69) o-Xylene	12.04	106	80566	19.605	ug/l	99
70) Styrene	12.06	104	141524	19.915	ug/l	98
71) Bromoform	12.22	173	24223	19.795	ug/l #	100
73) Isopropylbenzene	12.35	105	218008	18.598	ug/l	99
74) N-amyl acetate	12.16	43	71352	23.424	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.59	83	46427	20.846	ug/l	98
76) 1,2,3-Trichloropropane	12.65	75	34798m	21.053	ug/l	
77) Bromobenzene	12.62	156	47872	18.871	ug/l	95
78) n-propylbenzene	12.69	91	269037	19.171	ug/l	98
79) 2-Chlorotoluene	12.77	91	148041	18.507	ug/l	98
80) 1,3,5-Trimethylbenzene	12.83	105	182023	18.438	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.39	75	16674	19.519	ug/l	95
82) 4-Chlorotoluene	12.87	91	157131	18.735	ug/l	100
83) tert-Butylbenzene	13.09	119	155938	18.687	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	181466	18.572	ug/l	99
85) sec-Butylbenzene	13.27	105	221235	18.857	ug/l	99
86) p-Isopropyltoluene	13.38	119	196750	19.030	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	94621	19.462	ug/l	98
88) 1,4-Dichlorobenzene	13.46	146	94797	19.463	ug/l	98
89) n-Butylbenzene	13.71	91	199341	19.541	ug/l	99
90) Hexachloroethane	13.97	117	36038	18.161	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	86125	19.548	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	7920	19.263	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	58430	19.680	ug/l	99
94) Hexachlorobutadiene	15.13	225	28826	19.130	ug/l	98
95) Naphthalene	15.25	128	136806	19.606	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	51773	19.754	ug/l	98

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

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