

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022020\
 Data File : VY001715.D
 Acq On : 20 Feb 2020 11:53
 Operator : SY/MD
 Sample : VY0220SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0220SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/21/2020 3:23:25 PM

Quant Time: Feb 21 08:14:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	198485	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	347767	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	316223	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	145551	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	102501	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	
35) Dibromofluoromethane	7.75	113	94593	47.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.98%	
50) Toluene-d8	10.19	98	400644	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	
62) 4-Bromofluorobenzene	12.49	95	143615	47.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.92	85	33695	17.415	ug/l	98
3) Chloromethane	2.13	50	47488	18.248	ug/l	99
4) Vinyl Chloride	2.27	62	48417	18.446	ug/l	98
5) Bromomethane	2.67	94	32714	19.942	ug/l	96
6) Chloroethane	2.82	64	31370	19.395	ug/l	98
7) Trichlorofluoromethane	3.15	101	66011	19.650	ug/l	97
8) Diethyl Ether	3.56	74	24520	18.515	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.93	101	41841	19.816	ug/l	98
10) Methyl Iodide	4.13	142	47725	18.468	ug/l	98
11) Tert butyl alcohol	4.99	59	25441	86.274	ug/l	96
12) 1,1-Dichloroethene	3.91	96	42214	19.602	ug/l	97
13) Acrolein	3.76	56	17461	80.979	ug/l	99
14) Allyl chloride	4.52	41	75379	19.667	ug/l	97
15) Acrylonitrile	5.21	53	59186	87.189	ug/l	98
16) Acetone	3.99	43	53049	71.811	ug/l	94
17) Carbon Disulfide	4.23	76	134353	18.686	ug/l	100
18) Methyl Acetate	4.52	43	28789	17.895	ug/l	97
19) Methyl tert-butyl Ether	5.27	73	108658	18.122	ug/l	96
20) Methylene Chloride	4.75	84	51149	19.493	ug/l	98
21) trans-1,2-Dichloroethene	5.26	96	47997	19.534	ug/l	97
22) Diisopropyl ether	6.15	45	153653	19.521	ug/l	96
23) Vinyl Acetate	6.10	43	461366	89.861	ug/l	98
24) 1,1-Dichloroethane	6.05	63	83610	19.874	ug/l	99
25) 2-Butanone	7.02	43	78164	77.888	ug/l	97
26) 2,2-Dichloropropane	7.01	77	72534	19.817	ug/l	98
27) cis-1,2-Dichloroethene	7.02	96	53413	19.694	ug/l	99
28) Bromochloromethane	7.37	49	32939	18.796	ug/l	98
29) Tetrahydrofuran	7.38	42	50526	83.299	ug/l	97
30) Chloroform	7.54	83	79483	19.336	ug/l	100
31) Cyclohexane	7.81	56	86238	19.226	ug/l	94
32) 1,1,1-Trichloroethane	7.73	97	68698	19.885	ug/l	99
36) 1,1-Dichloropropene	7.94	75	67140	20.212	ug/l	99
37) Ethyl Acetate	7.10	43	33750	17.023	ug/l	99
38) Carbon Tetrachloride	7.93	117	58500	20.050	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	85178	19.328	ug/l	98
40) Benzene	8.19	78	196163	20.079	ug/l	98
41) Methacrylonitrile	7.35	41	17990m	18.071	ug/l	
42) 1,2-Dichloroethane	8.27	62	51105	19.201	ug/l	99
43) Isopropyl Acetate	8.30	43	65496	17.411	ug/l	98
44) Trichloroethene	8.96	130	48119	19.730	ug/l	96
45) 1,2-Dichloropropane	9.24	63	49937	20.410	ug/l	98
46) Dibromomethane	9.32	93	24254	18.952	ug/l	100
47) Bromodichloromethane	9.52	83	59848	19.377	ug/l	99
48) Methyl methacrylate	9.31	41	29041	17.070	ug/l	99
49) 1,4-Dioxane	9.32	88	5935	328.356	ug/l #	93
51) 4-Methyl-2-Pentanone	10.09	43	166777	86.289	ug/l	97
52) Toluene	10.26	92	122808	20.152	ug/l	100
53) t-1,3-Dichloropropene	10.48	75	64705	18.950	ug/l	98
54) cis-1,3-Dichloropropene	9.95	75	77437	19.705	ug/l	96
55) 1,1,2-Trichloroethane	10.66	97	35382	18.750	ug/l	98
56) Ethyl methacrylate	10.52	69	49824	17.600	ug/l	95
57) 1,3-Dichloropropane	10.80	76	63523	18.946	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	131270	112.810	ug/l	99
59) 2-Hexanone	10.85	43	119125	82.144	ug/l	96
60) Dibromochloromethane	11.00	129	38393	18.454	ug/l	100
61) 1,2-Dibromoethane	11.10	107	32868	18.421	ug/l	99
64) Tetrachloroethene	10.73	164	38453	19.371	ug/l	94
65) Chlorobenzene	11.53	112	123349	19.538	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	41919	19.683	ug/l	99
67) Ethyl Benzene	11.60	91	235226	20.077	ug/l	100
68) m/p-Xylenes	11.71	106	174105	39.782	ug/l	98
69) o-Xylene	12.04	106	82933	19.932	ug/l	98
70) Styrene	12.05	104	144815	20.027	ug/l	99
71) Bromoform	12.22	173	20680	16.991	ug/l #	100
73) Isopropylbenzene	12.34	105	225180	20.308	ug/l	100
74) N-amyl acetate	12.15	43	62487	17.658	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.59	83	42900	18.120	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	33020m	19.776	ug/l	
77) Bromobenzene	12.62	156	46903	19.512	ug/l	96
78) n-propylbenzene	12.68	91	277828	20.573	ug/l	100
79) 2-Chlorotoluene	12.77	91	154870	20.447	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	188348	20.520	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	15246	17.323	ug/l	92
82) 4-Chlorotoluene	12.86	91	162850	20.385	ug/l	99
83) tert-Butylbenzene	13.08	119	158690	20.671	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	187965	20.541	ug/l	100
85) sec-Butylbenzene	13.26	105	233209	20.655	ug/l	100
86) p-Isopropyltoluene	13.38	119	203014	20.698	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	93948	20.153	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	94377	20.028	ug/l	97
89) n-Butylbenzene	13.70	91	208996	20.853	ug/l	99
90) Hexachloroethane	13.97	117	36580	19.794	ug/l	96
91) 1,2-Dichlorobenzene	13.75	146	84068	19.541	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	6356	16.267	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	55461	19.453	ug/l	97
94) Hexachlorobutadiene	15.12	225	28180	19.875	ug/l	99
95) Naphthalene	15.24	128	118627	18.046	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	49086	19.570	ug/l	98

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

