

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021820\
 Data File : VY001665.D
 Acq On : 18 Feb 2020 11:46
 Operator : SY/MD
 Sample : VY0218SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0218SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 1:42:52 PM

Quant Time: Feb 19 07:11:30 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	191006	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	335182	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	299945	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	140229	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	95884	46.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.34%	
35) Dibromofluoromethane	7.75	113	90838	47.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.64%	
50) Toluene-d8	10.19	98	376821	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
62) 4-Bromofluorobenzene	12.49	95	131468	44.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	33020	17.735	ug/l	99
3) Chloromethane	2.13	50	46057	18.391	ug/l	99
4) Vinyl Chloride	2.27	62	47501	18.806	ug/l	99
5) Bromomethane	2.66	94	31849	20.175	ug/l	90
6) Chloroethane	2.81	64	29968	19.253	ug/l	98
7) Trichlorofluoromethane	3.15	101	62589	19.361	ug/l	94
8) Diethyl Ether	3.55	74	23222	18.221	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.93	101	39431	19.405	ug/l	99
10) Methyl Iodide	4.12	142	45215	18.182	ug/l	99
11) Tert butyl alcohol	4.98	59	23345	80.957	ug/l #	85
12) 1,1-Dichloroethene	3.90	96	39518	19.068	ug/l	99
13) Acrolein	3.76	56	17441	84.053	ug/l	97
14) Allyl chloride	4.51	41	69907	18.953	ug/l	97
15) Acrylonitrile	5.20	53	56898	87.101	ug/l	99
16) Acetone	3.98	43	51313	72.181	ug/l	100
17) Carbon Disulfide	4.22	76	131232	18.967	ug/l	100
18) Methyl Acetate	4.51	43	27204	17.572	ug/l	100
19) Methyl tert-butyl Ether	5.25	73	102906	17.834	ug/l	97
20) Methylene Chloride	4.75	84	46306	18.338	ug/l	98
21) trans-1,2-Dichloroethene	5.25	96	45772	19.358	ug/l	95
22) Diisopropyl ether	6.14	45	142463	18.808	ug/l	93
23) Vinyl Acetate	6.10	43	443466	89.756	ug/l	98
24) 1,1-Dichloroethane	6.05	63	76966	19.012	ug/l	98
25) 2-Butanone	7.02	43	77247	79.989	ug/l	97
26) 2,2-Dichloropropane	7.02	77	68179	19.357	ug/l	98
27) cis-1,2-Dichloroethene	7.02	96	49247	18.869	ug/l	99
28) Bromochloromethane	7.36	49	28736	17.040	ug/l	99
29) Tetrahydrofuran	7.38	42	49213	84.312	ug/l	97
30) Chloroform	7.53	83	74125	18.739	ug/l	98
31) Cyclohexane	7.81	56	81852	18.963	ug/l	95
32) 1,1,1-Trichloroethane	7.73	97	64371	19.362	ug/l	98
36) 1,1-Dichloropropene	7.94	75	63074	19.701	ug/l	99
37) Ethyl Acetate	7.11	43	32039	16.766	ug/l	99
38) Carbon Tetrachloride	7.92	117	54649	19.433	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.21	83	82636	19.455	ug/l	96
40) Benzene	8.19	78	182847	19.418	ug/l	98
41) Methacrylonitrile	7.35	41	18148	18.914	ug/l #	94
42) 1,2-Dichloroethane	8.27	62	48323	18.837	ug/l	100
43) Isopropyl Acetate	8.30	43	63717	17.574	ug/l	100
44) Trichloroethene	8.96	130	45911	19.532	ug/l	99
45) 1,2-Dichloropropane	9.24	63	46767	19.832	ug/l	99
46) Dibromomethane	9.33	93	23302	18.892	ug/l	99
47) Bromodichloromethane	9.52	83	56200	18.879	ug/l	100
48) Methyl methacrylate	9.31	41	28669	17.484	ug/l	100
49) 1,4-Dioxane	9.31	88	5758	330.524	ug/l	92
51) 4-Methyl-2-Pentanone	10.09	43	160284	86.043	ug/l	98
52) Toluene	10.26	92	114873	19.558	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	60729	18.454	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	72521	19.147	ug/l	97
55) 1,1,2-Trichloroethane	10.66	97	33058	18.176	ug/l	95
56) Ethyl methacrylate	10.52	69	47327	17.346	ug/l	95
57) 1,3-Dichloropropane	10.80	76	60260	18.647	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	119791	105.710	ug/l	98
59) 2-Hexanone	10.85	43	115566	82.682	ug/l	96
60) Dibromochloromethane	11.00	129	37187	18.546	ug/l	99
61) 1,2-Dibromoethane	11.10	107	32370	18.823	ug/l	98
64) Tetrachloroethene	10.74	164	37044	19.674	ug/l	97
65) Chlorobenzene	11.53	112	117985	19.702	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	39521	19.564	ug/l	99
67) Ethyl Benzene	11.61	91	221180	19.903	ug/l	98
68) m/p-Xylenes	11.72	106	165463	39.859	ug/l	97
69) o-Xylene	12.04	106	76358	19.348	ug/l	99
70) Styrene	12.06	104	131985	19.243	ug/l	99
71) Bromoform	12.22	173	20414	17.683	ug/l #	98
73) Isopropylbenzene	12.34	105	208528	19.520	ug/l	100
74) N-amyl acetate	12.16	43	60932	17.872	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.59	83	40994	17.972	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	28399m	17.654	ug/l	
77) Bromobenzene	12.62	156	44931	19.401	ug/l	95
78) n-propylbenzene	12.68	91	260967	20.058	ug/l	99
79) 2-Chlorotoluene	12.77	91	142448	19.521	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	175614	19.859	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	14595	17.213	ug/l	94
82) 4-Chlorotoluene	12.87	91	148915	19.349	ug/l	97
83) tert-Butylbenzene	13.09	119	149241	20.178	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	176395	20.008	ug/l	100
85) sec-Butylbenzene	13.27	105	216472	19.901	ug/l	99
86) p-Isopropyltoluene	13.38	119	189502	20.054	ug/l	98
87) 1,3-Dichlorobenzene	13.38	146	88825	19.777	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	89249	19.658	ug/l	98
89) n-Butylbenzene	13.70	91	192792	19.966	ug/l	100
90) Hexachloroethane	13.97	117	34597	19.432	ug/l	96
91) 1,2-Dichlorobenzene	13.75	146	80593	19.444	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	6261	16.632	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	53918	19.630	ug/l	99
94) Hexachlorobutadiene	15.12	225	26890	19.685	ug/l	97
95) Naphthalene	15.25	128	112461	17.757	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	45860	18.978	ug/l	99

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

