

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031620\
 Data File : VY001974.D
 Acq On : 16 Mar 2020 11:54
 Operator : SY/MD
 Sample : VY0316SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0316SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/17/2020 12:06:29 PM

Quant Time: Mar 17 08:26:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	176357	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	315537	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	282933	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	133244	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	94023	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
35) Dibromofluoromethane	7.75	113	89586	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	
50) Toluene-d8	10.20	98	370141	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	
62) 4-Bromofluorobenzene	12.49	95	132083	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.92	85	30419	18.686	ug/l	94
3) Chloromethane	2.13	50	42699	19.455	ug/l	99
4) Vinyl Chloride	2.27	62	43028	19.274	ug/l	100
5) Bromomethane	2.66	94	28170	17.840	ug/l	98
6) Chloroethane	2.82	64	27096	19.321	ug/l	95
7) Trichlorofluoromethane	3.15	101	60468	19.972	ug/l	98
8) Diethyl Ether	3.56	74	24424	20.468	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.93	101	39887	20.483	ug/l	100
10) Methyl Iodide	4.13	142	44114	19.589	ug/l	99
11) Tert butyl alcohol	5.00	59	29157	138.770	ug/l #	95
12) 1,1-Dichloroethene	3.91	96	38755	19.765	ug/l	99
13) Acrolein	3.77	56	21192	80.100	ug/l	98
14) Allyl chloride	4.52	41	70149	20.181	ug/l	100
15) Acrylonitrile	5.21	53	64802	101.626	ug/l	99
16) Acetone	3.99	43	53982	98.442	ug/l	97
17) Carbon Disulfide	4.23	76	122887	18.644	ug/l	99
18) Methyl Acetate	4.52	43	29136	20.679	ug/l	99
19) Methyl tert-butyl Ether	5.27	73	111177	20.923	ug/l	99
20) Methylene Chloride	4.76	84	49257	20.959	ug/l	98
21) trans-1,2-Dichloroethene	5.27	96	45157	20.290	ug/l	99
22) Diisopropyl ether	6.16	45	146983	20.628	ug/l	96
23) Vinyl Acetate	6.10	43	470497	100.724	ug/l	99
24) 1,1-Dichloroethane	6.06	63	77664	20.128	ug/l	97
25) 2-Butanone	7.03	43	84020	100.754	ug/l	98
26) 2,2-Dichloropropane	7.02	77	66197	20.902	ug/l	100
27) cis-1,2-Dichloroethene	7.03	96	49456	20.429	ug/l	97
28) Bromochloromethane	7.37	49	35528	20.427	ug/l	99
29) Tetrahydrofuran	7.39	42	55341	99.935	ug/l	99
30) Chloroform	7.54	83	74024	20.419	ug/l	100
31) Cyclohexane	7.81	56	80019	19.341	ug/l	97
32) 1,1,1-Trichloroethane	7.74	97	62981	20.612	ug/l	99
36) 1,1-Dichloropropene	7.95	75	61243	20.169	ug/l	99
37) Ethyl Acetate	7.11	43	37248	21.106	ug/l	99
38) Carbon Tetrachloride	7.93	117	52400	20.201	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	82016	20.365	ug/l	97
40) Benzene	8.19	78	181907	20.212	ug/l	100
41) Methacrylonitrile	7.36	41	22654m	28.524	ug/l	
42) 1,2-Dichloroethane	8.27	62	48777	21.032	ug/l	100
43) Isopropyl Acetate	8.30	43	68561	20.520	ug/l	99
44) Trichloroethene	8.97	130	44366	20.241	ug/l	99
45) 1,2-Dichloropropane	9.24	63	47297	20.905	ug/l	97
46) Dibromomethane	9.33	93	23516	20.170	ug/l	99
47) Bromodichloromethane	9.52	83	56061	20.671	ug/l	95
48) Methyl methacrylate	9.31	41	29596	19.962	ug/l	95
49) 1,4-Dioxane	9.32	88	5814	363.932	ug/l	97
51) 4-Methyl-2-Pentanone	10.09	43	186942	108.626	ug/l	99
52) Toluene	10.27	92	114464	20.936	ug/l	97
53) t-1,3-Dichloropropene	10.49	75	62166	21.039	ug/l	95
54) cis-1,3-Dichloropropene	9.95	75	72608	20.642	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	36129	21.174	ug/l	96
56) Ethyl methacrylate	10.53	69	51746	20.690	ug/l	99
57) 1,3-Dichloropropane	10.81	76	62184	20.445	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	136708	142.550	ug/l	100
59) 2-Hexanone	10.85	43	125114	101.856	ug/l	99
60) Dibromochloromethane	11.00	129	37114	20.643	ug/l	99
61) 1,2-Dibromoethane	11.11	107	33391	20.660	ug/l	100
64) Tetrachloroethene	10.74	164	37454	21.109	ug/l	96
65) Chlorobenzene	11.53	112	115713	20.525	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	39055	21.125	ug/l	99
67) Ethyl Benzene	11.61	91	218200	20.753	ug/l	98
68) m/p-Xylenes	11.72	106	160333	41.247	ug/l	100
69) o-Xylene	12.04	106	75150	20.512	ug/l	99
70) Styrene	12.06	104	131940	21.026	ug/l	100
71) Bromoform	12.22	173	21096	21.041	ug/l #	99
73) Isopropylbenzene	12.34	105	205116	20.166	ug/l	100
74) N-amyl acetate	12.16	43	61097	19.544	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	44898	20.469	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	31980m	20.227	ug/l	
77) Bromobenzene	12.62	156	43786	20.318	ug/l	97
78) n-propylbenzene	12.68	91	255132	20.331	ug/l	100
79) 2-Chlorotoluene	12.77	91	142380	20.537	ug/l	100
80) 1,3,5-Trimethylbenzene	12.83	105	170888	20.408	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	15935	20.359	ug/l	98
82) 4-Chlorotoluene	12.87	91	147959	20.497	ug/l	100
83) tert-Butylbenzene	13.09	119	145476	20.917	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	169898	20.445	ug/l	100
85) sec-Butylbenzene	13.27	105	213216	20.799	ug/l	99
86) p-Isopropyltoluene	13.38	119	185378	20.963	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	85471	20.240	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	85797	20.027	ug/l	98
89) n-Butylbenzene	13.70	91	190765	20.792	ug/l	98
90) Hexachloroethane	13.97	117	33788	20.253	ug/l	96
91) 1,2-Dichlorobenzene	13.75	146	79160	20.633	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.37	75	6529	19.075	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	51771	20.808	ug/l	100
94) Hexachlorobutadiene	15.12	225	25269	20.832	ug/l	98
95) Naphthalene	15.25	128	118430	20.068	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	45505	20.762	ug/l	100

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

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