

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042320\
 Data File : VY002463.D
 Acq On : 23 Apr 2020 16:40
 Operator : SY/MD
 Sample : VY0423SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0423SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/24/2020 1:33:47 PM

Quant Time: Apr 24 02:06:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 14:11:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	311147	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.71	114	465566	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	420762	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	208303	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	135498	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
35) Dibromofluoromethane	7.74	113	134152	51.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.18%	
50) Toluene-d8	10.19	98	508379	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	
62) 4-Bromofluorobenzene	12.49	95	152661	43.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	44031	19.323	ug/l	96
3) Chloromethane	2.13	50	55759	19.232	ug/l	95
4) Vinyl Chloride	2.26	62	45497	21.844	ug/l	99
5) Bromomethane	2.65	94	28839	24.671	ug/l	86
6) Chloroethane	2.80	64	26866	25.998	ug/l	98
7) Trichlorofluoromethane	3.14	101	96775	25.624	ug/l	100
8) Diethyl Ether	3.55	74	34587	22.218	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.92	101	55968	21.528	ug/l	98
10) Methyl Iodide	4.11	142	80183	19.993	ug/l	98
11) Tert butyl alcohol	4.99	59	30792	120.300	ug/l	98
12) 1,1-Dichloroethene	3.89	96	56203	21.101	ug/l	98
13) Acrolein	3.75	56	22039	107.561	ug/l	99
14) Allyl chloride	4.50	41	82562	21.092	ug/l	95
15) Acrylonitrile	5.19	53	83410	111.984	ug/l	99
16) Acetone	3.97	43	63482	111.698	ug/l	97
17) Carbon Disulfide	4.21	76	165911	19.976	ug/l	99
18) Methyl Acetate	4.50	43	40037	21.892	ug/l	96
19) Methyl tert-butyl Ether	5.25	73	153448	21.350	ug/l	100
20) Methylene Chloride	4.74	84	64267	19.806	ug/l	95
21) trans-1,2-Dichloroethene	5.25	96	60954	20.326	ug/l	96
22) Diisopropyl ether	6.14	45	167640	21.660	ug/l	94
23) Vinyl Acetate	6.09	43	541145	110.036	ug/l	96
24) 1,1-Dichloroethane	6.05	63	96753	20.648	ug/l	98
25) 2-Butanone	7.01	43	99370	114.127	ug/l	99
26) 2,2-Dichloropropane	7.00	77	90956	20.297	ug/l	100
27) cis-1,2-Dichloroethene	7.01	96	67265	20.623	ug/l	99
28) Bromochloromethane	7.36	49	39960	21.859	ug/l	100
29) Tetrahydrofuran	7.37	42	66033	114.388	ug/l	98
30) Chloroform	7.53	83	102357	20.516	ug/l	100
31) Cyclohexane	7.80	56	92495	19.740	ug/l	93
32) 1,1,1-Trichloroethane	7.72	97	95678	20.295	ug/l	99
36) 1,1-Dichloropropene	7.94	75	78629	19.697	ug/l	100
37) Ethyl Acetate	7.10	43	44600	22.239	ug/l	99
38) Carbon Tetrachloride	7.92	117	89830	19.568	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	103373	19.851	ug/l	98
40) Benzene	8.18	78	233461	20.234	ug/l	98
41) Methacrylonitrile	7.35	41	23987m	19.413	ug/l	
42) 1,2-Dichloroethane	8.25	62	69206	20.648	ug/l	99
43) Isopropyl Acetate	8.29	43	81783	21.803	ug/l	99
44) Trichloroethene	8.96	130	73660	20.417	ug/l	96
45) 1,2-Dichloropropane	9.23	63	54898	20.644	ug/l	98
46) Dibromomethane	9.32	93	32517	20.900	ug/l	99
47) Bromodichloromethane	9.51	83	80593	20.714	ug/l	97
48) Methyl methacrylate	9.31	41	37195	21.721	ug/l	97
49) 1,4-Dioxane	9.31	88	8675	437.520	ug/l	99
51) 4-Methyl-2-Pentanone	10.08	43	216845	111.298	ug/l	99
52) Toluene	10.25	92	147635	19.877	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	85357	20.890	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	95267	20.371	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	48589	21.122	ug/l	97
56) Ethyl methacrylate	10.52	69	66365	21.114	ug/l	99
57) 1,3-Dichloropropane	10.80	76	81240	20.918	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	165478	108.868	ug/l	100
59) 2-Hexanone	10.85	43	151486	111.547	ug/l	99
60) Dibromochloromethane	11.00	129	62306	20.670	ug/l	100
61) 1,2-Dibromoethane	11.10	107	47912	21.004	ug/l	99
64) Tetrachloroethene	10.73	164	77683	20.145	ug/l	99
65) Chlorobenzene	11.53	112	166032	20.468	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	63230	20.775	ug/l	98
67) Ethyl Benzene	11.60	91	293717	20.317	ug/l	100
68) m/p-Xylenes	11.71	106	225917	40.594	ug/l	99
69) o-Xylene	12.04	106	107093	20.780	ug/l	99
70) Styrene	12.05	104	185887	20.714	ug/l	100
71) Bromoform	12.22	173	38109	19.876	ug/l #	97
73) Isopropylbenzene	12.34	105	228199	16.387	ug/l	99
74) N-amyl acetate	12.16	43	74582	22.601	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.59	83	42754	19.990	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	31882m	18.059	ug/l	
77) Bromobenzene	12.62	156	66654	19.084	ug/l	100
78) n-propylbenzene	12.68	91	305584	18.899	ug/l	100
79) 2-Chlorotoluene	12.77	91	164175	18.556	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	229536	19.420	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	18030	18.898	ug/l	96
82) 4-Chlorotoluene	12.86	91	182776	19.988	ug/l	100
83) tert-Butylbenzene	13.08	119	207268	20.194	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	233391	20.581	ug/l	99
85) sec-Butylbenzene	13.27	105	234387	17.055	ug/l	99
86) p-Isopropyltoluene	13.38	119	259913	19.831	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	128279	19.858	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	134186	20.890	ug/l	99
89) n-Butylbenzene	13.70	91	256183	21.188	ug/l	100
90) Hexachloroethane	13.97	117	49283	20.804	ug/l	97
91) 1,2-Dichlorobenzene	13.75	146	127669	22.949	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.37	75	9548	22.486	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	96411	21.958	ug/l	98
94) Hexachlorobutadiene	15.12	225	57547	21.717	ug/l	99
95) Naphthalene	15.25	128	188400	23.136	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	82874	22.253	ug/l	98

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

