

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020520\
 Data File : VY001502.D
 Acq On : 05 Feb 2020 13:07
 Operator : SY/MD
 Sample : VY0205SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0205SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/6/2020 12:46:56 PM

Quant Time: Feb 05 16:39:41 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	234147	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.72	114	411884	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.50	117	364803	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	168765	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.18	65	127280	53.99	ug/l	0.01
Spiked Amount	50.000		Recovery	=	107.98%	
35) Dibromofluoromethane	7.75	113	121331	51.08	ug/l	0.01
Spiked Amount	50.000		Recovery	=	102.16%	
50) Toluene-d8	10.20	98	487677	54.27	ug/l	0.01
Spiked Amount	50.000		Recovery	=	108.54%	
62) 4-Bromofluorobenzene	12.49	95	179366	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.92	85	43367	18.921	ug/l	96
3) Chloromethane	2.13	50	52119	21.757	ug/l	96
4) Vinyl Chloride	2.27	62	52979	21.299	ug/l	98
5) Bromomethane	2.66	94	32976	21.080	ug/l	96
6) Chloroethane	2.82	64	31576	21.060	ug/l	99
7) Trichlorofluoromethane	3.15	101	81279	19.741	ug/l	98
8) Diethyl Ether	3.56	74	29189	21.009	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.94	101	49858	20.126	ug/l	99
10) Methyl Iodide	4.12	142	59058	18.710	ug/l	99
11) Tert butyl alcohol	4.99	59	34317	110.588	ug/l #	85
12) 1,1-Dichloroethene	3.91	96	50569	20.542	ug/l	95
13) Acrolein	3.76	56	24034	107.665	ug/l	99
14) Allyl chloride	4.52	41	82094	21.799	ug/l	97
15) Acrylonitrile	5.21	53	67710	106.304	ug/l	99
16) Acetone	3.98	43	65426	95.941	ug/l	95
17) Carbon Disulfide	4.23	76	163667	20.884	ug/l	100
18) Methyl Acetate	4.52	43	32049	22.023	ug/l	98
19) Methyl tert-butyl Ether	5.26	73	135086	20.634	ug/l	99
20) Methylene Chloride	4.76	84	60905	19.971	ug/l	93
21) trans-1,2-Dichloroethene	5.26	96	56378	20.601	ug/l	98
22) Diisopropyl ether	6.16	45	163844	21.960	ug/l	94
23) Vinyl Acetate	6.10	43	498280	104.909	ug/l	97
24) 1,1-Dichloroethane	6.07	63	95128	21.197	ug/l	97
25) 2-Butanone	7.02	43	89878	101.590	ug/l	94
26) 2,2-Dichloropropane	7.02	77	87769	20.435	ug/l	98
27) cis-1,2-Dichloroethene	7.02	96	61855	20.694	ug/l	98
28) Bromochloromethane	7.37	49	31633	20.691	ug/l	94
29) Tetrahydrofuran	7.38	42	57497	108.430	ug/l	97
30) Chloroform	7.54	83	92151	20.272	ug/l	100
31) Cyclohexane	7.82	56	97949	21.337	ug/l	98
32) 1,1,1-Trichloroethane	7.74	97	82356	19.982	ug/l	99
36) 1,1-Dichloropropene	7.95	75	79442	21.084	ug/l	98
37) Ethyl Acetate	7.11	43	38609	21.167	ug/l	99
38) Carbon Tetrachloride	7.93	117	71576	19.634	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	102935	20.747	ug/l	97
40) Benzene	8.19	78	220208	20.489	ug/l	99
41) Methacrylonitrile	7.38	41	27492m	32.520	ug/l	
42) 1,2-Dichloroethane	8.27	62	59646	19.920	ug/l	100
43) Isopropyl Acetate	8.30	43	75351	20.864	ug/l	99
44) Trichloroethene	8.96	130	57775	19.943	ug/l	98
45) 1,2-Dichloropropane	9.24	63	54927	21.165	ug/l	99
46) Dibromomethane	9.33	93	29676	20.364	ug/l	96
47) Bromodichloromethane	9.52	83	72453	20.405	ug/l	95
48) Methyl methacrylate	9.32	41	32616	19.898	ug/l	98
49) 1,4-Dioxane	9.32	88	7130	370.471	ug/l	95
51) 4-Methyl-2-Pentanone	10.09	43	188917	106.218	ug/l	99
52) Toluene	10.26	92	140452	20.596	ug/l	100
53) t-1,3-Dichloropropene	10.48	75	77896	20.142	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	90470	20.376	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	42382	20.270	ug/l	97
56) Ethyl methacrylate	10.52	69	60971	20.502	ug/l	98
57) 1,3-Dichloropropane	10.80	76	74901	20.322	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	106440	97.293	ug/l	97
59) 2-Hexanone	10.85	43	135419	104.718	ug/l	100
60) Dibromochloromethane	11.00	129	47875	19.425	ug/l	99
61) 1,2-Dibromoethane	11.10	107	40923	19.872	ug/l	100
64) Tetrachloroethene	10.74	164	50517	21.115	ug/l	96
65) Chlorobenzene	11.53	112	143444	20.026	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	49975	19.935	ug/l	99
67) Ethyl Benzene	11.61	91	270226	20.404	ug/l	100
68) m/p-Xylenes	11.71	106	200728	40.373	ug/l	99
69) o-Xylene	12.04	106	97053	20.704	ug/l	100
70) Styrene	12.06	104	165825	20.456	ug/l	99
71) Bromoform	12.22	173	27005	19.345	ug/l	# 99
73) Isopropylbenzene	12.34	105	259329	20.148	ug/l	100
74) N-amyl acetate	12.16	43	69039	20.641	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	50251	20.549	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	35691m	19.665	ug/l	
77) Bromobenzene	12.62	156	55146	19.797	ug/l	95
78) n-propylbenzene	12.68	91	317130	20.581	ug/l	99
79) 2-Chlorotoluene	12.77	91	177323	20.188	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	218327	20.141	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	18995	20.251	ug/l	98
82) 4-Chlorotoluene	12.87	91	187283	20.337	ug/l	100
83) tert-Butylbenzene	13.09	119	185386	20.233	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	216679	20.196	ug/l	99
85) sec-Butylbenzene	13.27	105	265142	20.582	ug/l	100
86) p-Isopropyltoluene	13.38	119	231279	20.373	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	107966	20.225	ug/l	99
88) 1,4-Dichlorobenzene	13.46	146	107052	20.017	ug/l	98
89) n-Butylbenzene	13.70	91	232464	20.754	ug/l	99
90) Hexachloroethane	13.97	117	43858	20.128	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	97115	20.075	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	8810	19.515	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	63309	19.420	ug/l	99
94) Hexachlorobutadiene	15.12	225	32789	19.817	ug/l	98
95) Naphthalene	15.25	128	141374	18.452	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	54961	19.099	ug/l	99

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

