

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022620\
 Data File : VY001776.D
 Acq On : 26 Feb 2020 11:45
 Operator : SY/MD
 Sample : VY0226SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0226SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/27/2020 10:45:48 AM

Quant Time: Feb 26 15:55:57 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	7.80	168	182445	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.70	114	330513	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.50	117	297953	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	140358	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	101565	51.75	ug/l	-0.02
Spiked Amount			Recovery	=	103.50%	
35) Dibromofluoromethane	7.73	113	94695	50.02	ug/l	-0.02
Spiked Amount			Recovery	=	100.04%	
50) Toluene-d8	10.19	98	395932	53.39	ug/l	0.00
Spiked Amount			Recovery	=	106.78%	
62) 4-Bromofluorobenzene	12.49	95	139228	48.32	ug/l	0.00
Spiked Amount			Recovery	=	96.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	31419	17.667	ug/l	98
3) Chloromethane	2.12	50	48967	20.471	ug/l	99
4) Vinyl Chloride	2.26	62	45905	19.026	ug/l	99
5) Bromomethane	2.65	94	30191	20.022	ug/l	98
6) Chloroethane	2.80	64	29591	19.903	ug/l	99
7) Trichlorofluoromethane	3.13	101	62267	20.165	ug/l	98
8) Diethyl Ether	3.54	74	25542	20.982	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	39812	20.512	ug/l	98
10) Methyl Iodide	4.10	142	46954	19.767	ug/l	99
11) Tert butyl alcohol	4.97	59	29285	115.151	ug/l #	84
12) 1,1-Dichloroethene	3.88	96	41204	20.815	ug/l	93
13) Acrolein	3.74	56	16398	82.735	ug/l	98
14) Allyl chloride	4.49	41	73212	20.781	ug/l	98
15) Acrylonitrile	5.18	53	64621	103.565	ug/l	100
16) Acetone	3.96	43	56803	83.653	ug/l	94
17) Carbon Disulfide	4.20	76	127560	19.301	ug/l	98
18) Methyl Acetate	4.49	43	32794	22.177	ug/l	97
19) Methyl tert-butyl Ether	5.23	73	112797	20.466	ug/l	94
20) Methylene Chloride	4.72	84	52080	21.593	ug/l	97
21) trans-1,2-Dichloroethene	5.22	96	46163	20.439	ug/l	95
22) Diisopropyl ether	6.13	45	153500	21.216	ug/l	97
23) Vinyl Acetate	6.07	43	471763	99.964	ug/l	100
24) 1,1-Dichloroethane	6.03	63	82642	21.371	ug/l	99
25) 2-Butanone	7.00	43	85516	92.706	ug/l	94
26) 2,2-Dichloropropane	6.99	77	68885	20.475	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	52532	21.072	ug/l	98
28) Bromochloromethane	7.35	49	32399	20.113	ug/l	98
29) Tetrahydrofuran	7.36	42	55093	98.814	ug/l	98
30) Chloroform	7.52	83	78067	20.661	ug/l	99
31) Cyclohexane	7.79	56	81380	19.738	ug/l #	93
32) 1,1,1-Trichloroethane	7.71	97	65262	20.551	ug/l	98
36) 1,1-Dichloropropene	7.93	75	63168	20.009	ug/l	98
37) Ethyl Acetate	7.08	43	38111	20.226	ug/l	99
38) Carbon Tetrachloride	7.91	117	55098	19.869	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	81163	19.378	ug/l	98
40) Benzene	8.17	78	193001	20.786	ug/l	98
41) Methacrylonitrile	7.34	41	23349m	24.679	ug/l	
42) 1,2-Dichloroethane	8.25	62	50806	20.085	ug/l	100
43) Isopropyl Acetate	8.28	43	70642	19.759	ug/l	99
44) Trichloroethene	8.94	130	44826	19.340	ug/l	99
45) 1,2-Dichloropropane	9.22	63	49496	21.286	ug/l	99
46) Dibromomethane	9.32	93	24575	20.206	ug/l	100
47) Bromodichloromethane	9.50	83	58586	19.959	ug/l	98
48) Methyl methacrylate	9.30	41	30959	19.147	ug/l	98
49) 1,4-Dioxane	9.31	88	6578	382.928	ug/l	89
51) 4-Methyl-2-Pentanone	10.08	43	179773	97.868	ug/l	99
52) Toluene	10.25	92	118059	20.384	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	64314	19.819	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	75244	20.146	ug/l	98
55) 1,1,2-Trichloroethane	10.65	97	37075	20.673	ug/l	98
56) Ethyl methacrylate	10.52	69	53324	19.820	ug/l	98
57) 1,3-Dichloropropane	10.80	76	64464	20.230	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.79	63	138407	127.418	ug/l	99
59) 2-Hexanone	10.84	43	126878	92.058	ug/l	99
60) Dibromochloromethane	10.99	129	39567	20.011	ug/l	99
61) 1,2-Dibromoethane	11.10	107	33968	20.032	ug/l	97
64) Tetrachloroethene	10.72	164	38482	20.574	ug/l	95
65) Chlorobenzene	11.52	112	121333	20.397	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	41057	20.461	ug/l	99
67) Ethyl Benzene	11.60	91	226848	20.549	ug/l	100
68) m/p-Xylenes	11.70	106	170341	41.308	ug/l	99
69) o-Xylene	12.03	106	81423	20.769	ug/l	97
70) Styrene	12.05	104	137759	20.219	ug/l	98
71) Bromoform	12.21	173	21418	18.677	ug/l #	100
73) Isopropylbenzene	12.33	105	216345	20.233	ug/l	99
74) N-amyl acetate	12.15	43	64993	19.045	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	45262	19.825	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	30494m	18.939	ug/l	
77) Bromobenzene	12.61	156	47018	20.284	ug/l	96
78) n-propylbenzene	12.67	91	271757	20.868	ug/l	100
79) 2-Chlorotoluene	12.76	91	149610	20.483	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	179356	20.263	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	15746	18.554	ug/l	97
82) 4-Chlorotoluene	12.86	91	155564	20.194	ug/l	98
83) tert-Butylbenzene	13.08	119	149202	20.155	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	181983	20.623	ug/l	100
85) sec-Butylbenzene	13.26	105	221927	20.383	ug/l	100
86) p-Isopropyltoluene	13.38	119	196192	20.742	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	93393	20.775	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	91567	20.150	ug/l	99
89) n-Butylbenzene	13.70	91	198488	20.537	ug/l	99
90) Hexachloroethane	13.96	117	35770	20.072	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	83792	20.197	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	7209	19.133	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	54757	19.917	ug/l	99
94) Hexachlorobutadiene	15.12	225	27553	20.152	ug/l	98
95) Naphthalene	15.24	128	122974	19.400	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	47618	19.687	ug/l	98

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

