

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040120\
 Data File : VY002155.D
 Acq On : 01 Apr 2020 12:21
 Operator : SY/MD
 Sample : VY0401SBSD01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0401SBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/2/2020 10:13:02 AM

Quant Time: Apr 02 06:41:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 07:11:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	156653	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	287989	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	258120	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	118812	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	81831	47.25	ug/l	-0.01
Spiked Amount						
			Recovery	=	94.50%	
35) Dibromofluoromethane	7.73	113	76081	47.15	ug/l	0.00
Spiked Amount						
			Recovery	=	94.30%	
50) Toluene-d8	10.19	98	319815	47.71	ug/l	0.00
Spiked Amount						
			Recovery	=	95.42%	
62) 4-Bromofluorobenzene	12.49	95	109610	46.75	ug/l	0.00
Spiked Amount						
			Recovery	=	93.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	30955	27.260	ug/l	99
3) Chloromethane	2.12	50	40096	21.902	ug/l	99
4) Vinyl Chloride	2.26	62	40315	21.653	ug/l	98
5) Bromomethane	2.65	94	26824	22.076	ug/l	99
6) Chloroethane	2.80	64	25831	21.606	ug/l	97
7) Trichlorofluoromethane	3.13	101	55233	21.648	ug/l	100
8) Diethyl Ether	3.54	74	21412	19.814	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.91	101	35220	21.040	ug/l	98
10) Methyl Iodide	4.10	142	38462	19.323	ug/l	99
11) Tert butyl alcohol	4.96	59	24409	119.607	ug/l #	74
12) 1,1-Dichloroethene	3.88	96	35645	20.970	ug/l	97
13) Acrolein	3.74	56	21694	85.053	ug/l	98
14) Allyl chloride	4.49	41	62726	20.158	ug/l	98
15) Acrylonitrile	5.19	53	55189	97.434	ug/l	99
16) Acetone	3.96	43	45249	93.003	ug/l	99
17) Carbon Disulfide	4.21	76	117768	20.877	ug/l	98
18) Methyl Acetate	4.49	43	24574	19.451	ug/l	97
19) Methyl tert-butyl Ether	5.24	73	94931	20.020	ug/l	95
20) Methylene Chloride	4.72	84	42889	18.015	ug/l	96
21) trans-1,2-Dichloroethene	5.23	96	39883	20.607	ug/l	94
22) Diisopropyl ether	6.13	45	130191	20.444	ug/l	100
23) Vinyl Acetate	6.08	43	416836	99.820	ug/l	99
24) 1,1-Dichloroethane	6.03	63	69540	20.538	ug/l	97
25) 2-Butanone	7.00	43	71198	95.302	ug/l	100
26) 2,2-Dichloropropane	6.99	77	58198	20.870	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	44797	21.039	ug/l	98
28) Bromochloromethane	7.35	49	29956	19.379	ug/l	100
29) Tetrahydrofuran	7.36	42	46843	95.635	ug/l	99
30) Chloroform	7.52	83	64846	20.205	ug/l	99
31) Cyclohexane	7.79	56	73916	20.487	ug/l	99
32) 1,1,1-Trichloroethane	7.71	97	55197	20.599	ug/l	99
36) 1,1-Dichloropropene	7.93	75	55262	20.287	ug/l	100
37) Ethyl Acetate	7.09	43	31792	19.313	ug/l	100
38) Carbon Tetrachloride	7.91	117	46846	20.270	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	72645	20.331	ug/l	97
40) Benzene	8.17	78	164257	20.357	ug/l	100
41) Methacrylonitrile	7.32	41	15917m	19.116	ug/l	
42) 1,2-Dichloroethane	8.25	62	42200	19.700	ug/l	98
43) Isopropyl Acetate	8.28	43	58185	19.044	ug/l	100
44) Trichloroethene	8.94	130	40108	20.621	ug/l	92
45) 1,2-Dichloropropane	9.22	63	42089	20.486	ug/l	98
46) Dibromomethane	9.32	93	20992	19.896	ug/l	99
47) Bromodichloromethane	9.50	83	49767	20.262	ug/l	99
48) Methyl methacrylate	9.30	41	27018	19.733	ug/l	95
49) 1,4-Dioxane	9.30	88	5364	370.480	ug/l	97
51) 4-Methyl-2-Pentanone	10.08	43	155696	98.967	ug/l	100
52) Toluene	10.25	92	99144	20.315	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	53558	19.646	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	63567	19.804	ug/l	98
55) 1,1,2-Trichloroethane	10.65	97	30617	19.606	ug/l	95
56) Ethyl methacrylate	10.52	69	43579	19.107	ug/l	99
57) 1,3-Dichloropropane	10.80	76	54573	19.780	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	115738	98.754	ug/l	100
59) 2-Hexanone	10.84	43	102540	92.529	ug/l	98
60) Dibromochloromethane	10.99	129	32299	19.766	ug/l	100
61) 1,2-Dibromoethane	11.10	107	28479	19.485	ug/l	98
64) Tetrachloroethene	10.72	164	32265	20.431	ug/l	97
65) Chlorobenzene	11.52	112	102513	20.575	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	33843	20.303	ug/l	100
67) Ethyl Benzene	11.60	91	189913	20.522	ug/l	98
68) m/p-Xylenes	11.70	106	142734	41.717	ug/l	97
69) o-Xylene	12.03	106	66012	20.338	ug/l	100
70) Styrene	12.05	104	113236	20.134	ug/l	99
71) Bromoform	12.21	173	17491	19.158	ug/l #	99
73) Isopropylbenzene	12.33	105	176853	20.066	ug/l	99
74) N-amyl acetate	12.15	43	52417	18.857	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	38156	20.119	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	25295m	19.033	ug/l	
77) Bromobenzene	12.61	156	38240	20.325	ug/l	99
78) n-propylbenzene	12.67	91	223442	20.429	ug/l	100
79) 2-Chlorotoluene	12.76	91	121963	20.309	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	150023	20.632	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	13402	19.536	ug/l	97
82) 4-Chlorotoluene	12.86	91	127883	20.209	ug/l	97
83) tert-Butylbenzene	13.08	119	127066	20.935	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	149376	20.589	ug/l	98
85) sec-Butylbenzene	13.26	105	185135	20.593	ug/l	100
86) p-Isopropyltoluene	13.38	119	160625	20.806	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	75288	20.455	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	76311	20.604	ug/l	98
89) n-Butylbenzene	13.70	91	164444	20.443	ug/l	100
90) Hexachloroethane	13.97	117	29343	20.171	ug/l	95
91) 1,2-Dichlorobenzene	13.75	146	69262	20.377	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	5497	18.094	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	44551	20.335	ug/l	97
94) Hexachlorobutadiene	15.12	225	21641	20.012	ug/l	97
95) Naphthalene	15.25	128	99523	19.126	ug/l	98
96) 1,2,3-Trichlorobenzene	15.43	180	38356	19.307	ug/l	96

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

