

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011520\
 Data File : VY001238.D
 Acq On : 15 Jan 2020 23:43
 Operator : SY/MD
 Sample : VY0115SBS02
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0115SBS02

Manual Integrations
 APPROVED

MMDadoda
 1/16/2020 9:36:49 AM

Quant Time: Jan 16 06:48:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	182163	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	324972	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	290148	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	136900	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	88776	46.14	ug/l	0.00
Spiked Amount						
			Recovery	=	92.28%	
35) Dibromofluoromethane	7.73	113	82589	43.41	ug/l	0.00
Spiked Amount						
			Recovery	=	86.82%	
50) Toluene-d8	10.18	98	336053	45.84	ug/l	0.00
Spiked Amount						
			Recovery	=	91.68%	
62) 4-Bromofluorobenzene	12.48	95	122269	40.79	ug/l	0.00
Spiked Amount						
			Recovery	=	81.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	30542	21.831	ug/l	97
3) Chloromethane	2.12	50	43734	21.688	ug/l	96
4) Vinyl Chloride	2.25	62	45738	22.514	ug/l	99
5) Bromomethane	2.64	94	31123	28.521	ug/l	96
6) Chloroethane	2.79	64	29959	25.526	ug/l	95
7) Trichlorofluoromethane	3.13	101	58416	20.658	ug/l	96
8) Diethyl Ether	3.54	74	24697	22.476	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.91	101	36410	20.003	ug/l	100
10) Methyl Iodide	4.10	142	50024	20.078	ug/l	99
11) Tert butyl alcohol	4.97	59	24440	126.255	ug/l	99
12) 1,1-Dichloroethene	3.88	96	38961	20.922	ug/l	98
13) Acrolein	3.74	56	18587	106.658	ug/l	98
14) Allyl chloride	4.49	41	68764	21.878	ug/l	98
15) Acrylonitrile	5.18	53	62744	114.176	ug/l	99
16) Acetone	3.96	43	49683	111.191	ug/l	97
17) Carbon Disulfide	4.20	76	124754	20.698	ug/l	98
18) Methyl Acetate	4.49	43	33533	22.699	ug/l	99
19) Methyl tert-butyl Ether	5.24	73	111320	21.611	ug/l	95
20) Methylene Chloride	4.73	84	54986	23.477	ug/l	94
21) trans-1,2-Dichloroethene	5.24	96	45518	21.556	ug/l	92
22) Diisopropyl ether	6.13	45	138272	21.539	ug/l	98
23) Vinyl Acetate	6.07	43	455598	110.971	ug/l	100
24) 1,1-Dichloroethane	6.03	63	76306	21.712	ug/l	99
25) 2-Butanone	7.00	43	82651	118.851	ug/l	99
26) 2,2-Dichloropropane	6.99	77	61852	19.139	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	50862	21.983	ug/l	98
28) Bromochloromethane	7.35	49	27157	18.818	ug/l	98
29) Tetrahydrofuran	7.36	42	54726	114.833	ug/l	97
30) Chloroform	7.52	83	74802	21.723	ug/l	96
31) Cyclohexane	7.79	56	74794	20.100	ug/l	99
32) 1,1,1-Trichloroethane	7.71	97	62772	20.545	ug/l	99
36) 1,1-Dichloropropene	7.93	75	58828	19.861	ug/l	99
37) Ethyl Acetate	7.08	43	37340	21.481	ug/l	99
38) Carbon Tetrachloride	7.91	117	54293	20.001	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	76913	19.154	ug/l	99
40) Benzene	8.17	78	183567	21.231	ug/l	100
41) Methacrylonitrile	7.33	41	19566m	23.962	ug/l	
42) 1,2-Dichloroethane	8.25	62	50723	20.951	ug/l	98
43) Isopropyl Acetate	8.28	43	70340	21.162	ug/l	99
44) Trichloroethene	8.94	130	47047	20.883	ug/l	100
45) 1,2-Dichloropropane	9.22	63	44730	20.927	ug/l	95
46) Dibromomethane	9.31	93	24702	21.181	ug/l	99
47) Bromodichloromethane	9.50	83	59099	20.793	ug/l	98
48) Methyl methacrylate	9.30	41	32156	20.905	ug/l	99
49) 1,4-Dioxane	9.30	88	6702	471.880	ug/l #	93
51) 4-Methyl-2-Pentanone	10.07	43	179442	106.393	ug/l	99
52) Toluene	10.24	92	114942	20.844	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	63421	19.941	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	74200	20.692	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	37113	21.466	ug/l	98
56) Ethyl methacrylate	10.51	69	54674	20.673	ug/l	99
57) 1,3-Dichloropropane	10.79	76	63180	21.286	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	99712	107.196	ug/l	99
59) 2-Hexanone	10.83	43	129740	109.761	ug/l	98
60) Dibromochloromethane	10.99	129	40793	20.492	ug/l	98
61) 1,2-Dibromoethane	11.09	107	35116	20.801	ug/l	100
64) Tetrachloroethene	10.72	164	40461	21.633	ug/l	97
65) Chlorobenzene	11.52	112	120627	20.806	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	42108	21.073	ug/l	99
67) Ethyl Benzene	11.59	91	217913	20.547	ug/l	99
68) m/p-Xylenes	11.70	106	166759	41.682	ug/l	99
69) o-Xylene	12.03	106	79818	20.808	ug/l	99
70) Styrene	12.04	104	138299	20.548	ug/l	98
71) Bromoform	12.20	173	25258	20.497	ug/l #	98
73) Isopropylbenzene	12.33	105	209720	20.377	ug/l	100
74) N-amyl acetate	12.14	43	67580	21.041	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	45146	20.850	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	30124m	20.555	ug/l	
77) Bromobenzene	12.61	156	48256	21.220	ug/l	93
78) n-propylbenzene	12.67	91	253319	20.463	ug/l	100
79) 2-Chlorotoluene	12.75	91	143314	20.158	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	175308	20.415	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	15950	18.456	ug/l #	98
82) 4-Chlorotoluene	12.85	91	150667	19.851	ug/l	98
83) tert-Butylbenzene	13.07	119	147721	20.473	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	177395	20.802	ug/l	100
85) sec-Butylbenzene	13.25	105	210437	20.273	ug/l	98
86) p-Isopropyltoluene	13.37	119	185397	20.571	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	92532	21.515	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	91878	20.757	ug/l	99
89) n-Butylbenzene	13.69	91	182358	20.089	ug/l	99
90) Hexachloroethane	13.95	117	35887	20.378	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	83709	20.943	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.35	75	7735	19.803	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	56561	21.477	ug/l	99
94) Hexachlorobutadiene	15.11	225	28630	21.579	ug/l	99
95) Naphthalene	15.23	128	132241	21.569	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	50604	21.803	ug/l	98

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

