

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101119\
 Data File : VY000273.D
 Acq On : 11 Oct 2019 16:16
 Operator : SY/MD
 Sample : VY1011SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1011SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/15/2019 12:34:01 PM

Quant Time: Oct 14 08:17:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 14 08:10:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	274860	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	457888	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	396146	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	191092	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	152948	52.75	ug/l	0.00
Spiked Amount			Recovery	=	105.50%	
35) Dibromofluoromethane	7.73	113	135154	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	
50) Toluene-d8	10.19	98	563282	53.02	ug/l	0.00
Spiked Amount			Recovery	=	106.04%	
62) 4-Bromofluorobenzene	12.48	95	193431	47.92	ug/l	0.00
Spiked Amount			Recovery	=	95.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	56609	23.789	ug/l	99
3) Chloromethane	2.12	50	68557	20.412	ug/l	95
4) Vinyl Chloride	2.25	62	74838	22.078	ug/l	98
5) Bromomethane	2.63	94	61201	24.362	ug/l	95
6) Chloroethane	2.79	64	46874	21.432	ug/l	100
7) Trichlorofluoromethane	3.12	101	100050	21.578	ug/l	94
8) Diethyl Ether	3.53	74	35224	21.504	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.90	101	60080	21.366	ug/l	99
10) Methyl Iodide	4.09	142	65610	17.178	ug/l	98
11) Tert butyl alcohol	4.97	59	32312	106.493	ug/l	99
12) 1,1-Dichloroethene	3.87	96	59280	21.354	ug/l	97
13) Acrolein	3.74	56	34145	95.987	ug/l	96
14) Allyl chloride	4.49	41	97275	21.145	ug/l	99
15) Acrylonitrile	5.18	53	95756	104.444	ug/l	96
16) Acetone	3.96	43	90382	96.261	ug/l	98
17) Carbon Disulfide	4.19	76	185248	21.195	ug/l	96
18) Methyl Acetate	4.49	43	48912	20.966	ug/l	99
19) Methyl tert-butyl Ether	5.24	73	161749	20.931	ug/l	100
20) Methylene Chloride	4.72	84	70466	18.892	ug/l	98
21) trans-1,2-Dichloroethene	5.22	96	65289	20.499	ug/l	97
22) Diisopropyl ether	6.13	45	202001	20.761	ug/l	95
23) Vinyl Acetate	6.07	43	668481	105.312	ug/l	99
24) 1,1-Dichloroethane	6.03	63	112453	21.174	ug/l	96
25) 2-Butanone	7.00	43	135539	102.475	ug/l	100
26) 2,2-Dichloropropane	6.99	77	101552	20.751	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	74492	21.615	ug/l	96
28) Bromochloromethane	7.34	49	41232	18.085	ug/l	96
29) Tetrahydrofuran	7.36	42	82966	103.503	ug/l	98
30) Chloroform	7.52	83	113340	21.191	ug/l	95
31) Cyclohexane	7.80	56	114261	20.599	ug/l	99
32) 1,1,1-Trichloroethane	7.71	97	99216	20.866	ug/l	99
36) 1,1-Dichloropropene	7.93	75	92938	20.731	ug/l	97
37) Ethyl Acetate	7.08	43	56405	21.249	ug/l	98
38) Carbon Tetrachloride	7.91	117	88645	20.422	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	117807	20.078	ug/l	98
40) Benzene	8.17	78	264114	20.386	ug/l	99
41) Methacrylonitrile	7.33	41	25058m	19.832	ug/l	
42) 1,2-Dichloroethane	8.25	62	77697	20.995	ug/l	97
43) Isopropyl Acetate	8.28	43	103504	20.507	ug/l	99
44) Trichloroethene	8.95	130	74289	20.437	ug/l	98
45) 1,2-Dichloropropane	9.22	63	64078	20.155	ug/l	93
46) Dibromomethane	9.31	93	36714	20.657	ug/l	96
47) Bromodichloromethane	9.50	83	86662	20.690	ug/l	94
48) Methyl methacrylate	9.30	41	47202	21.339	ug/l	99
49) 1,4-Dioxane	9.30	88	11714	439.579	ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	271770	104.396	ug/l	99
52) Toluene	10.25	92	167801	20.401	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	90887	20.247	ug/l	95
54) cis-1,3-Dichloropropene	9.94	75	104853	20.569	ug/l	94
55) 1,1,2-Trichloroethane	10.65	97	52424	20.287	ug/l	98
56) Ethyl methacrylate	10.52	69	76231	20.696	ug/l	98
57) 1,3-Dichloropropane	10.80	76	93049	20.967	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	154261	105.000	ug/l	100
59) 2-Hexanone	10.84	43	193777	106.048	ug/l	97
60) Dibromochloromethane	10.99	129	58157	20.305	ug/l	100
61) 1,2-Dibromoethane	11.10	107	51200	20.635	ug/l	100
64) Tetrachloroethene	10.72	164	79206	21.002	ug/l	98
65) Chlorobenzene	11.52	112	172019	20.575	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	61029	20.780	ug/l	99
67) Ethyl Benzene	11.60	91	328800	21.215	ug/l	99
68) m/p-Xylenes	11.70	106	242928	41.002	ug/l	98
69) o-Xylene	12.03	106	116469	20.606	ug/l	100
70) Styrene	12.05	104	197328	20.701	ug/l	99
71) Bromoform	12.21	173	35504	21.030	ug/l #	100
73) Isopropylbenzene	12.33	105	319931	21.472	ug/l	100
74) N-amyl acetate	12.14	43	81379	22.247	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	57837	20.674	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	49385m	21.017	ug/l	
77) Bromobenzene	12.61	156	71236	21.485	ug/l	96
78) n-propylbenzene	12.67	91	372844	20.841	ug/l	99
79) 2-Chlorotoluene	12.76	91	207248	20.977	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	266418	21.323	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	22756	21.189	ug/l	97
82) 4-Chlorotoluene	12.86	91	223400	21.391	ug/l	99
83) tert-Butylbenzene	13.08	119	221917	20.974	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	263032	21.331	ug/l	99
85) sec-Butylbenzene	13.25	105	319515	20.875	ug/l	100
86) p-Isopropyltoluene	13.37	119	283103	21.216	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	136329	20.869	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	137371	21.038	ug/l	98
89) n-Butylbenzene	13.70	91	277203	21.021	ug/l	99
90) Hexachloroethane	13.96	117	52685	21.322	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	128220	21.688	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	11382	21.452	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	90961	22.099	ug/l	96
94) Hexachlorobutadiene	15.11	225	47744	21.434	ug/l	97
95) Naphthalene	15.23	128	195588	21.293	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	79846	21.524	ug/l	99

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

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