

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101419\
 Data File : VY000293.D
 Acq On : 14 Oct 2019 12:54
 Operator : SY/MD
 Sample : VY1014SBS01
 Misc : 5.00g/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1014SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:53:09 AM

Quant Time: Oct 15 01:38:41 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	312793	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	522157	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	465882	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	223748	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	168190	50.97	ug/l	0.00
Spiked Amount			Recovery	=	101.94%	
35) Dibromofluoromethane	7.73	113	149735	47.54	ug/l	0.00
Spiked Amount			Recovery	=	95.08%	
50) Toluene-d8	10.19	98	613832	50.66	ug/l	0.00
Spiked Amount			Recovery	=	101.32%	
62) 4-Bromofluorobenzene	12.49	95	223043	48.46	ug/l	0.00
Spiked Amount			Recovery	=	96.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	60846	22.204	ug/l	94
3) Chloromethane	2.12	50	79749	20.865	ug/l	98
4) Vinyl Chloride	2.25	62	78411	20.327	ug/l	100
5) Bromomethane	2.63	94	58019	20.295	ug/l	97
6) Chloroethane	2.79	64	48619	19.534	ug/l	95
7) Trichlorofluoromethane	3.13	101	109535	20.759	ug/l	97
8) Diethyl Ether	3.53	74	38847	20.840	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.91	101	66482	20.776	ug/l	97
10) Methyl Iodide	4.09	142	75814	17.425	ug/l	99
11) Tert butyl alcohol	4.97	59	30799	89.197	ug/l	98
12) 1,1-Dichloroethene	3.87	96	63712	20.168	ug/l	97
13) Acrolein	3.74	56	38612	95.381	ug/l	99
14) Allyl chloride	4.49	41	105140	20.083	ug/l	98
15) Acrylonitrile	5.17	53	101372	97.160	ug/l	96
16) Acetone	3.96	43	89519	83.779	ug/l	96
17) Carbon Disulfide	4.19	76	200575	20.165	ug/l	98
18) Methyl Acetate	4.49	43	51126	19.258	ug/l	96
19) Methyl tert-butyl Ether	5.22	73	182663	20.771	ug/l	98
20) Methylene Chloride	4.72	84	74529	17.127	ug/l	99
21) trans-1,2-Dichloroethene	5.22	96	72664	20.048	ug/l	90
22) Diisopropyl ether	6.13	45	226135	20.423	ug/l	97
23) Vinyl Acetate	6.07	43	716620	99.205	ug/l	100
24) 1,1-Dichloroethane	6.03	63	122613	20.287	ug/l	99
25) 2-Butanone	7.00	43	136804	90.888	ug/l	98
26) 2,2-Dichloropropane	6.99	77	108816	19.539	ug/l	97
27) cis-1,2-Dichloroethene	6.99	96	79492	20.268	ug/l	98
28) Bromochloromethane	7.35	49	47972	18.490	ug/l	100
29) Tetrahydrofuran	7.36	42	87623	96.056	ug/l	100
30) Chloroform	7.52	83	122790	20.174	ug/l	100
31) Cyclohexane	7.79	56	127788	20.244	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	107843	19.929	ug/l	100
36) 1,1-Dichloropropene	7.93	75	99833	19.528	ug/l	97
37) Ethyl Acetate	7.08	43	56802	18.765	ug/l	100
38) Carbon Tetrachloride	7.91	117	97449	19.687	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	131453	19.646	ug/l	95
40) Benzene	8.17	78	286735	19.408	ug/l	99
41) Methacrylonitrile	7.32	41	25871m	17.955	ug/l	
42) 1,2-Dichloroethane	8.25	62	84886	20.115	ug/l	99
43) Isopropyl Acetate	8.28	43	108700	18.886	ug/l	98
44) Trichloroethene	8.94	130	78730	18.993	ug/l	96
45) 1,2-Dichloropropane	9.22	63	74216	20.470	ug/l	100
46) Dibromomethane	9.32	93	40715	20.089	ug/l	94
47) Bromodichloromethane	9.50	83	94820	19.852	ug/l	97
48) Methyl methacrylate	9.30	41	48538	19.242	ug/l	97
49) 1,4-Dioxane	9.30	88	11761	387.021	ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	288045	97.029	ug/l	99
52) Toluene	10.25	92	178636	19.045	ug/l	96
53) t-1,3-Dichloropropene	10.47	75	104064	20.329	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	117139	20.150	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	57435	19.490	ug/l	94
56) Ethyl methacrylate	10.52	69	81044	19.295	ug/l	98
57) 1,3-Dichloropropane	10.80	76	103412	20.434	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.79	63	202666	120.969	ug/l	99
59) 2-Hexanone	10.84	43	204770	98.271	ug/l	98
60) Dibromochloromethane	10.99	129	64781	19.834	ug/l	95
61) 1,2-Dibromoethane	11.09	107	54926	19.412	ug/l	99
64) Tetrachloroethene	10.72	164	86855	19.583	ug/l	97
65) Chlorobenzene	11.52	112	192227	19.551	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	69828	20.218	ug/l	98
67) Ethyl Benzene	11.60	91	351816	19.302	ug/l	97
68) m/p-Xylenes	11.70	106	268527	38.539	ug/l	99
69) o-Xylene	12.03	106	127951	19.249	ug/l	99
70) Styrene	12.05	104	216500	19.313	ug/l	100
71) Bromoform	12.21	173	39778	20.034	ug/l #	97
73) Isopropylbenzene	12.33	105	344313	19.735	ug/l	99
74) N-amyl acetate	12.14	43	91665	21.402	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	63419	19.361	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	55137m	20.040	ug/l	
77) Bromobenzene	12.61	156	77156	19.874	ug/l	99
78) n-propylbenzene	12.67	91	409998	19.573	ug/l	100
79) 2-Chlorotoluene	12.76	91	233067	20.147	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	288817	19.742	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	23259	18.496	ug/l	100
82) 4-Chlorotoluene	12.86	91	240311	19.652	ug/l	100
83) tert-Butylbenzene	13.08	119	246493	19.897	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	291115	20.162	ug/l	97
85) sec-Butylbenzene	13.25	105	358720	20.016	ug/l	99
86) p-Isopropyltoluene	13.37	119	313351	20.055	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	149890	19.596	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	153988	20.141	ug/l	98
89) n-Butylbenzene	13.70	91	305023	19.755	ug/l	99
90) Hexachloroethane	13.96	117	56403	19.495	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	140246	20.260	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	12407	19.971	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	98112	20.357	ug/l	99
94) Hexachlorobutadiene	15.11	225	51119	19.599	ug/l	99
95) Naphthalene	15.23	128	227153	21.120	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	88934	20.475	ug/l	99

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

