

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101619\
 Data File : VY000323.D
 Acq On : 16 Oct 2019 12:41
 Operator : SY/MD
 Sample : VY1016SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1016SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 12:50:35 AM

Quant Time: Oct 17 01:45:12 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	308718	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	525921	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	461004	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	226165	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	171163	52.56	ug/l	0.00
Spiked Amount			Recovery	=	105.12%	
35) Dibromofluoromethane	7.72	113	154431	48.68	ug/l	0.00
Spiked Amount			Recovery	=	97.36%	
50) Toluene-d8	10.18	98	623146	51.06	ug/l	0.00
Spiked Amount			Recovery	=	102.12%	
62) 4-Bromofluorobenzene	12.49	95	219364	47.32	ug/l	0.00
Spiked Amount			Recovery	=	94.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	58899	21.685	ug/l	96
3) Chloromethane	2.12	50	73812	19.566	ug/l	95
4) Vinyl Chloride	2.26	62	79782	20.955	ug/l	97
5) Bromomethane	2.64	94	59772	21.184	ug/l	93
6) Chloroethane	2.79	64	51531	20.977	ug/l	100
7) Trichlorofluoromethane	3.13	101	107924	20.723	ug/l	96
8) Diethyl Ether	3.54	74	38568	20.963	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.90	101	65781	20.828	ug/l	99
10) Methyl Iodide	4.09	142	77773	18.064	ug/l	100
11) Tert butyl alcohol	4.97	59	30067	88.226	ug/l	98
12) 1,1-Dichloroethene	3.88	96	64511	20.690	ug/l	93
13) Acrolein	3.73	56	32733	81.925	ug/l	97
14) Allyl chloride	4.48	41	110808	21.445	ug/l	96
15) Acrylonitrile	5.18	53	98479	95.633	ug/l	98
16) Acetone	3.96	43	80896	76.708	ug/l	98
17) Carbon Disulfide	4.19	76	200374	20.411	ug/l	96
18) Methyl Acetate	4.49	43	48773	18.614	ug/l	96
19) Methyl tert-butyl Ether	5.23	73	180297	20.772	ug/l	96
20) Methylene Chloride	4.72	84	76159	17.949	ug/l	98
21) trans-1,2-Dichloroethene	5.22	96	71958	20.115	ug/l #	87
22) Diisopropyl ether	6.13	45	228392	20.899	ug/l	95
23) Vinyl Acetate	6.07	43	716082	100.439	ug/l	99
24) 1,1-Dichloroethane	6.03	63	123172	20.649	ug/l	100
25) 2-Butanone	7.00	43	137539	92.583	ug/l	94
26) 2,2-Dichloropropane	6.99	77	113642	20.675	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	82917	21.421	ug/l	96
28) Bromochloromethane	7.34	49	46627	18.208	ug/l	96
29) Tetrahydrofuran	7.36	42	85744	95.237	ug/l	99
30) Chloroform	7.52	83	126077	20.987	ug/l	100
31) Cyclohexane	7.79	56	127736	20.502	ug/l #	95
32) 1,1,1-Trichloroethane	7.71	97	110123	20.619	ug/l	99
36) 1,1-Dichloropropene	7.93	75	98707	19.170	ug/l	98
37) Ethyl Acetate	7.09	43	58649	19.236	ug/l	99
38) Carbon Tetrachloride	7.91	117	96567	19.369	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	129183	19.169	ug/l	98
40) Benzene	8.17	78	291432	19.585	ug/l	98
41) Methacrylonitrile	7.32	41	25561m	17.613	ug/l	
42) 1,2-Dichloroethane	8.25	62	82925	19.509	ug/l	98
43) Isopropyl Acetate	8.28	43	108855	18.777	ug/l	97
44) Trichloroethene	8.94	130	81428	19.503	ug/l	94
45) 1,2-Dichloropropane	9.22	63	72273	19.792	ug/l	95
46) Dibromomethane	9.32	93	40071	19.630	ug/l	96
47) Bromodichloromethane	9.50	83	93912	19.521	ug/l	99
48) Methyl methacrylate	9.30	41	48091	18.929	ug/l	99
49) 1,4-Dioxane	9.31	88	10764	351.677	ug/l	95
51) 4-Methyl-2-Pentanone	10.08	43	282630	94.524	ug/l	99
52) Toluene	10.25	92	189166	20.023	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	101460	19.679	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	118365	20.215	ug/l	94
55) 1,1,2-Trichloroethane	10.65	97	56433	19.013	ug/l	93
56) Ethyl methacrylate	10.52	69	81056	19.160	ug/l	98
57) 1,3-Dichloropropane	10.80	76	102150	20.040	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	194013	114.975	ug/l	98
59) 2-Hexanone	10.83	43	205525	97.927	ug/l	99
60) Dibromochloromethane	10.99	129	63524	19.310	ug/l	97
61) 1,2-Dibromoethane	11.09	107	55890	19.612	ug/l	99
64) Tetrachloroethene	10.72	164	85961	19.586	ug/l	95
65) Chlorobenzene	11.52	112	196502	20.197	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	69478	20.329	ug/l	99
67) Ethyl Benzene	11.60	91	366223	20.305	ug/l	99
68) m/p-Xylenes	11.70	106	277510	40.249	ug/l	98
69) o-Xylene	12.03	106	128036	19.466	ug/l	97
70) Styrene	12.05	104	217440	19.602	ug/l	99
71) Bromoform	12.21	173	38282	19.485	ug/l #	98
73) Isopropylbenzene	12.33	105	350809	19.893	ug/l	100
74) N-amyl acetate	12.14	43	93518	21.601	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	65613	19.816	ug/l	94
76) 1,2,3-Trichloropropane	12.64	75	53635m	19.286	ug/l	
77) Bromobenzene	12.61	156	80362	20.479	ug/l	94
78) n-propylbenzene	12.67	91	423000	19.978	ug/l	100
79) 2-Chlorotoluene	12.76	91	232766	19.906	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	290880	19.671	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	23917	18.816	ug/l	100
82) 4-Chlorotoluene	12.86	91	251474	20.345	ug/l	98
83) tert-Butylbenzene	13.08	119	253504	20.244	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	294312	20.166	ug/l	99
85) sec-Butylbenzene	13.25	105	358738	19.803	ug/l	99
86) p-Isopropyltoluene	13.37	119	318848	20.189	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	151843	19.639	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	152252	19.701	ug/l	98
89) n-Butylbenzene	13.70	91	315492	20.215	ug/l	98
90) Hexachloroethane	13.96	117	59234	20.255	ug/l	96
91) 1,2-Dichlorobenzene	13.74	146	141850	20.273	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	11987	19.089	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	96686	19.847	ug/l	97
94) Hexachlorobutadiene	15.11	225	51949	19.705	ug/l	96
95) Naphthalene	15.23	128	213040	19.596	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	87498	19.929	ug/l	98

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

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