

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101119\
 Data File : VY000267.D
 Acq On : 11 Oct 2019 13:30
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 10/15/2019 12:33:41 PM

Quant Time: Oct 14 07:23:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 14 07:12:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	274186	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	439872	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	389271	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	189592	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	54634	18.89	ug/l	0.00
Spiked Amount						
			Recovery	=	37.78%	
35) Dibromofluoromethane	7.73	113	54709	20.62	ug/l	0.00
Spiked Amount						
			Recovery	=	41.24%	
50) Toluene-d8	10.19	98	189293	18.55	ug/l	0.00
Spiked Amount						
			Recovery	=	37.10%	
62) 4-Bromofluorobenzene	12.48	95	78015	20.12	ug/l	0.00
Spiked Amount						
			Recovery	=	40.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	53520	21.893	ug/l	99
3) Chloromethane	2.12	50	67001	19.998	ug/l	100
4) Vinyl Chloride	2.25	62	69836	20.653	ug/l	99
5) Bromomethane	2.63	94	50494	19.915	ug/l	92
6) Chloroethane	2.79	64	44866	20.564	ug/l	100
7) Trichlorofluoromethane	3.12	101	95527	20.653	ug/l	98
8) Diethyl Ether	3.54	74	32452	19.861	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.90	101	55959	19.949	ug/l	96
10) Methyl Iodide	4.09	142	71768	19.600	ug/l	99
11) Tert butyl alcohol	4.97	59	28880	95.376	ug/l	97
12) 1,1-Dichloroethene	3.88	96	54664	19.740	ug/l	96
13) Acrolein	3.74	56	33875	95.462	ug/l	99
14) Allyl chloride	4.49	41	89990	19.610	ug/l	99
15) Acrylonitrile	5.18	53	89212	97.545	ug/l	98
16) Acetone	3.96	43	85758	91.560	ug/l	96
17) Carbon Disulfide	4.19	76	175560	20.136	ug/l	98
18) Methyl Acetate	4.49	43	45512	19.557	ug/l	98
19) Methyl tert-butyl Ether	5.22	73	151910	19.706	ug/l	95
20) Methylene Chloride	4.72	84	76645	19.955	ug/l	95
21) trans-1,2-Dichloroethene	5.23	96	62792	19.764	ug/l	98
22) Diisopropyl ether	6.13	45	189419	19.516	ug/l	95
23) Vinyl Acetate	6.07	43	606092	95.718	ug/l	98
24) 1,1-Dichloroethane	6.02	63	104010	19.632	ug/l	99
25) 2-Butanone	7.00	43	124886	94.653	ug/l	98
26) 2,2-Dichloropropane	6.99	77	93734	19.201	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	67253	19.562	ug/l	98
28) Bromochloromethane	7.35	49	39357	17.305	ug/l	92
29) Tetrahydrofuran	7.36	42	75642	94.598	ug/l	98
30) Chloroform	7.52	83	104541	19.594	ug/l	97
31) Cyclohexane	7.80	56	105613	19.087	ug/l	# 88
32) 1,1,1-Trichloroethane	7.71	97	95018	20.032	ug/l	98
36) 1,1-Dichloropropene	7.92	75	85767	19.915	ug/l	99
37) Ethyl Acetate	7.09	43	50482	19.797	ug/l	98
38) Carbon Tetrachloride	7.91	117	83625	20.055	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	115113	20.423	ug/l	94
40) Benzene	8.17	78	250223	20.105	ug/l	97
41) Methacrylonitrile	7.33	41	23670m	21.133	ug/l	
42) 1,2-Dichloroethane	8.25	62	70086	19.714	ug/l	98
43) Isopropyl Acetate	8.28	43	96422	19.886	ug/l	100
44) Trichloroethene	8.95	130	69468	19.893	ug/l	96
45) 1,2-Dichloropropane	9.22	63	61480	20.130	ug/l	95
46) Dibromomethane	9.31	93	33783	19.787	ug/l	99
47) Bromodichloromethane	9.50	83	79916	19.861	ug/l	99
48) Methyl methacrylate	9.30	41	42863	20.171	ug/l	99
49) 1,4-Dioxane	9.31	88	10328	403.442	ug/l #	94
51) 4-Methyl-2-Pentanone	10.08	43	246226	98.458	ug/l	100
52) Toluene	10.25	92	156372	19.790	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	86890	20.150	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	98021	20.016	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	47951	19.316	ug/l	98
56) Ethyl methacrylate	10.52	69	70142	19.823	ug/l	98
57) 1,3-Dichloropropane	10.80	76	84239	19.759	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	133672	94.712	ug/l	99
59) 2-Hexanone	10.83	43	171622	97.770	ug/l	99
60) Dibromochloromethane	10.99	129	54060	19.648	ug/l	100
61) 1,2-Dibromoethane	11.10	107	48386	20.300	ug/l	100
64) Tetrachloroethene	10.72	164	78290	21.126	ug/l	95
65) Chlorobenzene	11.52	112	164488	20.022	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.59	131	56984	19.746	ug/l	98
67) Ethyl Benzene	11.60	91	302645	19.872	ug/l	99
68) m/p-Xylenes	11.70	106	232255	39.893	ug/l	99
69) o-Xylene	12.03	106	109954	19.797	ug/l	97
70) Styrene	12.05	104	184364	19.683	ug/l	100
71) Bromoform	12.21	173	33144	19.978	ug/l #	99
73) Isopropylbenzene	12.33	105	296650	20.067	ug/l	99
74) N-amyl acetate	12.14	43	68637	18.912	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	53647	19.328	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	45539m	12.015	ug/l	
77) Bromobenzene	12.61	156	66557	20.233	ug/l	92
78) n-propylbenzene	12.67	91	352524	19.861	ug/l	99
79) 2-Chlorotoluene	12.76	91	194350	19.827	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	246831	19.912	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	19651	18.443	ug/l	98
82) 4-Chlorotoluene	12.86	91	202167	19.511	ug/l	99
83) tert-Butylbenzene	13.08	119	211185	20.118	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	243699	19.919	ug/l	99
85) sec-Butylbenzene	13.25	105	299914	19.749	ug/l	100
86) p-Isopropyltoluene	13.37	119	266419	20.123	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	128811	19.874	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	132154	20.400	ug/l	97
89) n-Butylbenzene	13.70	91	257696	19.697	ug/l	99
90) Hexachloroethane	13.96	117	50024	20.405	ug/l	97
91) 1,2-Dichlorobenzene	13.73	146	117306	19.999	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	10570	20.079	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	84820	20.770	ug/l	97
94) Hexachlorobutadiene	15.11	225	44489	20.130	ug/l	98
95) Naphthalene	15.23	128	181459	19.911	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	76013	20.653	ug/l	99

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

