

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032919\
 Data File : VW009564.D
 Acq On : 29 Mar 2019 09:54
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 4:04:43 AM

Quant Time: Mar 29 13:21:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W032919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 29 13:10:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	281406	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	444342	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	409281	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	217738	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	15935	4.88	ug/l	0.00
Spiked Amount			Recovery	=	9.76%	
35) Dibromofluoromethane	7.88	113	14445	5.15	ug/l	0.00
Spiked Amount			Recovery	=	10.30%	
50) Toluene-d8	10.32	98	48337	4.47	ug/l	0.00
Spiked Amount			Recovery	=	8.94%	
62) 4-Bromofluorobenzene	12.62	95	17497	4.33	ug/l	0.00
Spiked Amount			Recovery	=	8.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	11859	7.207	ug/l	95
3) Chloromethane	2.21	50	12733	5.848	ug/l	99
4) Vinyl Chloride	2.36	62	17665	5.911	ug/l	99
5) Bromomethane	2.78	94	14161	6.273	ug/l	96
6) Chloroethane	2.92	64	12787	5.660	ug/l	93
7) Trichlorofluoromethane	3.25	101	11755	5.669	ug/l	97
8) Diethyl Ether	3.67	74	7538	5.145	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	4.06	101	15543	5.614	ug/l	96
10) Methyl Iodide	4.26	142	21215	5.455	ug/l	96
11) Tert butyl alcohol	5.18	59	5236m	29.037	ug/l	
12) 1,1-Dichloroethene	4.03	96	15111	5.752	ug/l	93
13) Acrolein	3.88	56	3500	25.646	ug/l	87
14) Allyl chloride	4.66	41	23081	5.327	ug/l	98
15) Acrylonitrile	5.37	53	17341	26.710	ug/l	98
16) Acetone	4.12	43	20423	28.102	ug/l	91
17) Carbon Disulfide	4.38	76	43672	5.951	ug/l	97
18) Methyl Acetate	4.67	43	10735	6.324	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	17992	4.740	ug/l #	77
20) Methylene Chloride	4.92	84	22927	7.996	ug/l	92
21) trans-1,2-Dichloroethene	5.41	96	15446	5.471	ug/l #	88
22) Diisopropyl ether	6.31	45	44227	4.672	ug/l	95
23) Vinyl Acetate	6.25	43	120681	20.228	ug/l	95
24) 1,1-Dichloroethane	6.21	63	30117	5.430	ug/l	97
25) 2-Butanone	7.17	43	23331	23.580	ug/l	98
26) 2,2-Dichloropropane	7.15	77	17941	5.654	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	16137	5.160	ug/l	95
28) Bromochloromethane	7.51	49	12545	5.360	ug/l	92
29) Tetrahydrofuran	7.52	42	14399	23.248	ug/l	98
30) Chloroform	7.67	83	30347	5.320	ug/l	89
31) Cyclohexane	7.95	56	32111	6.485	ug/l #	83
32) 1,1,1-Trichloroethane	7.87	97	25485	5.486	ug/l	96
36) 1,1-Dichloropropene	8.08	75	23749	5.135	ug/l	98
37) Ethyl Acetate	7.26	43	10232	4.710	ug/l	96
38) Carbon Tetrachloride	8.06	117	24922	5.322	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	26779	5.026	ug/l	99
40) Benzene	8.32	78	64235	5.135	ug/l	97
41) Methacrylonitrile	7.49	41	5767	4.462	ug/l	94
42) 1,2-Dichloroethane	8.40	62	21745	5.209	ug/l	98
43) Isopropyl Acetate	8.43	43	21192	5.035	ug/l	98
44) Trichloroethene	9.09	130	16657	5.160	ug/l	92
45) 1,2-Dichloropropane	9.37	63	16474	5.165	ug/l	98
46) Dibromomethane	9.46	93	8539	5.007	ug/l	96
47) Bromodichloromethane	9.65	83	21951	4.941	ug/l	92
48) Methyl methacrylate	9.44	41	8645	4.142	ug/l	93
49) 1,4-Dioxane	9.44	88	2528	95.881	ug/l #	88
51) 4-Methyl-2-Pentanone	10.21	43	52554	22.776	ug/l	94
52) Toluene	10.38	92	37159	4.632	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	20734	4.688	ug/l	94
54) cis-1,3-Dichloropropene	10.07	75	21877	4.450	ug/l	92
55) 1,1,2-Trichloroethane	10.79	97	11680	5.036	ug/l	97
56) Ethyl methacrylate	10.65	69	11782	3.907	ug/l #	87
57) 1,3-Dichloropropane	10.93	76	20167	4.836	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.92	63	24815	16.798	ug/l	96
59) 2-Hexanone	10.97	43	33896	20.648	ug/l	97
60) Dibromochloromethane	11.13	129	13685	4.859	ug/l	99
61) 1,2-Dibromoethane	11.24	107	10803	4.826	ug/l	97
64) Tetrachloroethene	10.86	164	15129	5.566	ug/l	96
65) Chlorobenzene	11.66	112	44556	5.210	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.73	131	15216	4.843	ug/l	93
67) Ethyl Benzene	11.73	91	71718	4.578	ug/l	98
68) m/p-Xylenes	11.84	106	53265	8.947	ug/l	96
69) o-Xylene	12.16	106	23856	4.272	ug/l	98
70) Styrene	12.18	104	38288	4.058	ug/l	100
71) Bromoform	12.35	173	8146	4.804	ug/l #	98
73) Isopropylbenzene	12.46	105	67740	4.212	ug/l	99
74) N-amyl acetate	12.27	43	16556	4.082	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.72	83	14277	5.034	ug/l	96
76) 1,2,3-Trichloropropane	12.77	75	10071m	4.890	ug/l	
77) Bromobenzene	12.75	156	16869	4.706	ug/l	100
78) n-propylbenzene	12.80	91	86546	4.368	ug/l	99
79) 2-Chlorotoluene	12.90	91	49816	4.475	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	56349	4.140	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	4106	4.655	ug/l	94
82) 4-Chlorotoluene	12.99	91	52309	4.462	ug/l	100
83) tert-Butylbenzene	13.21	119	47668	4.116	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	57376	4.083	ug/l	98
85) sec-Butylbenzene	13.38	105	74002	4.208	ug/l	99
86) p-Isopropyltoluene	13.50	119	61827	4.045	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	36395	4.932	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	36907	5.031	ug/l	94
89) n-Butylbenzene	13.83	91	64008	4.252	ug/l	97
90) Hexachloroethane	14.10	117	12884	4.550	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	31953	4.811	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2610	4.998	ug/l	96

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	18170	4.130	ug/l	97
94) Hexachlorobutadiene	15.24	225	13823	5.054	ug/l	98
95) Naphthalene	15.37	128	28334	3.471	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	16081	4.148	ug/l	97

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

