

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100819\
 Data File : VW013478.D
 Acq On : 08 Oct 2019 10:27
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 4:08:33 PM

Quant Time: Oct 09 05:25:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 05:13:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	346590	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	499441	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	425341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	206544	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	13794	5.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.30%	
35) Dibromofluoromethane	7.88	113	14183	5.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.16%	
50) Toluene-d8	10.32	98	59744	5.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.20%	
62) 4-Bromofluorobenzene	12.62	95	20520	5.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.42%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.01	85	5146	4.482	ug/l	90
3) Chloromethane	2.20	50	10914	5.408	ug/l	96
4) Vinyl Chloride	2.35	62	14781	4.966	ug/l	96
5) Bromomethane	2.78	94	9493	5.345	ug/l	96
6) Chloroethane	2.92	64	8704	5.207	ug/l	95
7) Trichlorofluoromethane	3.24	101	7037	4.997	ug/l	88
8) Diethyl Ether	3.68	74	7193	4.934	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	14373	4.952	ug/l	99
10) Methyl Iodide	4.28	142	22773	4.955	ug/l	99
11) Tert butyl alcohol	5.18	59	5499	27.016	ug/l #	92
12) 1,1-Dichloroethene	4.03	96	15071	5.010	ug/l	99
13) Acrolein	3.90	56	1451	6.647	ug/l	86
14) Allyl chloride	4.67	41	22672	4.904	ug/l	99
15) Acrylonitrile	5.37	53	15756	23.126	ug/l	93
16) Acetone	4.13	43	16006	25.686	ug/l	92
17) Carbon Disulfide	4.37	76	41805	4.951	ug/l	98
18) Methyl Acetate	4.68	43	10409	5.831	ug/l #	84
19) Methyl tert-butyl Ether	5.42	73	22863	5.026	ug/l	91
20) Methylene Chloride	4.92	84	22104	6.444	ug/l	90
21) trans-1,2-Dichloroethene	5.42	96	15856	4.961	ug/l	93
22) Diisopropyl ether	6.31	45	43102	4.976	ug/l	96
23) Vinyl Acetate	6.26	43	116898	22.481	ug/l	97
24) 1,1-Dichloroethane	6.21	63	26976	5.096	ug/l	97
25) 2-Butanone	7.17	43	23827	25.946	ug/l	100
26) 2,2-Dichloropropane	7.16	77	20281	5.943	ug/l	89
27) cis-1,2-Dichloroethene	7.17	96	16651	4.923	ug/l	90
28) Bromochloromethane	7.51	49	9980	5.286	ug/l #	99
29) Tetrahydrofuran	7.53	42	12744	22.706	ug/l	97
30) Chloroform	7.68	83	26214	5.119	ug/l	95
31) Cyclohexane	7.95	56	31926	5.698	ug/l #	75
32) 1,1,1-Trichloroethane	7.87	97	20322	4.882	ug/l	97
36) 1,1-Dichloropropene	8.08	75	22648	5.013	ug/l	98
37) Ethyl Acetate	7.25	43	10706	5.223	ug/l	96
38) Carbon Tetrachloride	8.07	117	19050	4.756	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	27699	4.732	ug/l	97
40) Benzene	8.32	78	63363	5.024	ug/l	97
41) Methacrylonitrile	7.49	41	5016	4.303	ug/l #	83
42) 1,2-Dichloroethane	8.40	62	15621	4.900	ug/l	95
43) Isopropyl Acetate	8.43	43	17315	4.675	ug/l	98
44) Trichloroethene	9.09	130	17642	4.903	ug/l	91
45) 1,2-Dichloropropane	9.37	63	14597	4.822	ug/l	94
46) Dibromomethane	9.46	93	7387	4.898	ug/l	97
47) Bromodichloromethane	9.65	83	18331	4.890	ug/l #	99
48) Methyl methacrylate	9.44	41	8764	4.804	ug/l	95
49) 1,4-Dioxane	9.46	88	2526	95.394	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	48765	25.045	ug/l	100
52) Toluene	10.39	92	39528	4.866	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	17851	4.583	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	22088	4.680	ug/l #	90
55) 1,1,2-Trichloroethane	10.79	97	11106	4.906	ug/l	95
56) Ethyl methacrylate	10.65	69	13684	4.488	ug/l	96
57) 1,3-Dichloropropane	10.93	76	18919	4.867	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	32862	22.848	ug/l	100
59) 2-Hexanone	10.97	43	30291	22.687	ug/l	100
60) Dibromochloromethane	11.13	129	11807	4.536	ug/l	92
61) 1,2-Dibromoethane	11.23	107	10083	4.683	ug/l	97
64) Tetrachloroethene	10.86	164	15886	5.075	ug/l	95
65) Chlorobenzene	11.66	112	41966	4.965	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.73	131	13908	4.737	ug/l	98
67) Ethyl Benzene	11.73	91	75843	4.910	ug/l	100
68) m/p-Xylenes	11.83	106	57773	9.829	ug/l	99
69) o-Xylene	12.16	106	26107	4.808	ug/l	99
70) Styrene	12.18	104	44138	4.734	ug/l	98
71) Bromoform	12.35	173	7194	4.466	ug/l #	89
73) Isopropylbenzene	12.46	105	71278	4.818	ug/l	99
74) N-amyl acetate	12.27	43	15255	4.715	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	12793	5.073	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	8000m	4.823	ug/l	
77) Bromobenzene	12.75	156	17678	5.041	ug/l	99
78) n-propylbenzene	12.80	91	84801	4.957	ug/l	100
79) 2-Chlorotoluene	12.89	91	47730	4.980	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	60417	4.915	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	3734	4.437	ug/l	94
82) 4-Chlorotoluene	12.99	91	49407	4.966	ug/l	99
83) tert-Butylbenzene	13.21	119	53155	4.869	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	59979	4.933	ug/l	99
85) sec-Butylbenzene	13.38	105	73674	4.884	ug/l	100
86) p-Isopropyltoluene	13.50	119	67351	4.860	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	33262	5.002	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	32121	4.931	ug/l	93
89) n-Butylbenzene	13.82	91	59607	4.761	ug/l	99
90) Hexachloroethane	14.09	117	11739	4.950	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	29241	4.981	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	2118	5.268	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	19042	4.589	ug/l	97
94) Hexachlorobutadiene	15.24	225	13948	5.058	ug/l	97
95) Naphthalene	15.36	128	30126	4.197	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	16585	4.571	ug/l	99

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

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