

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072719\
 Data File : VW011509.D
 Acq On : 26 Jul 2019 11:30
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5.0ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/29/2019 9:17:26 AM

Quant Time: Jul 27 00:16:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:06:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	255149	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	416769	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	358712	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	172546	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	12952	4.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.84%	
35) Dibromofluoromethane	7.88	113	9771	4.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.36%	
50) Toluene-d8	10.32	98	40708	4.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.50%	
62) 4-Bromofluorobenzene	12.62	95	14869	4.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.72%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	5922	4.165	ug/l 92
3) Chloromethane	2.21	50	13059	5.296	ug/l 98
4) Vinyl Chloride	2.35	62	14488	4.880	ug/l 98
5) Bromomethane	2.78	94	8759	5.331	ug/l 93
6) Chloroethane	2.93	64	8080	4.765	ug/l 91
7) Trichlorofluoromethane	3.25	101	6126	4.617	ug/l 91
8) Diethyl Ether	3.68	74	6767	4.499	ug/l 84
9) 1,1,2-Trichlorotrifluoroet	4.06	101	12151	4.828	ug/l 100
10) Methyl Iodide	4.26	142	15886	4.467	ug/l 99
11) Tert butyl alcohol	5.14	59	8832	35.908	ug/l # 86
12) 1,1-Dichloroethene	4.04	96	12736	4.793	ug/l 88
13) Acrolein	3.89	56	5276	25.097	ug/l 89
14) Allyl chloride	4.66	41	25652	4.539	ug/l 94
15) Acrylonitrile	5.37	53	17409	23.184	ug/l 96
16) Acetone	4.12	43	27624	29.640	ug/l 97
17) Carbon Disulfide	4.38	76	38530	4.633	ug/l 99
18) Methyl Acetate	4.67	43	10341	4.939	ug/l 99
19) Methyl tert-butyl Ether	5.43	73	19455	4.614	ug/l 99
20) Methylene Chloride	4.91	84	18079	5.625	ug/l 97
21) trans-1,2-Dichloroethene	5.42	96	13763	4.804	ug/l 99
22) Diisopropyl ether	6.31	45	50654	4.754	ug/l 99
23) Vinyl Acetate	6.25	43	145821	21.779	ug/l 100
24) 1,1-Dichloroethane	6.21	63	27105	4.750	ug/l 99
25) 2-Butanone	7.17	43	29565	24.243	ug/l 96
26) 2,2-Dichloropropane	7.16	77	21144	6.025	ug/l 90
27) cis-1,2-Dichloroethene	7.17	96	15293	4.850	ug/l 89
28) Bromochloromethane	7.51	49	11966	4.724	ug/l # 99
29) Tetrahydrofuran	7.53	42	15585	22.357	ug/l 97
30) Chloroform	7.67	83	26592	5.051	ug/l 97
31) Cyclohexane	7.96	56	30391	5.548	ug/l # 87
32) 1,1,1-Trichloroethane	7.87	97	18890	4.711	ug/l 98
36) 1,1-Dichloropropene	8.08	75	21262	4.906	ug/l 99
37) Ethyl Acetate	7.25	43	11880	4.765	ug/l # 96
38) Carbon Tetrachloride	8.07	117	17719	4.776	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	22701	4.757	ug/l	98
40) Benzene	8.32	78	59064	4.866	ug/l	98
41) Methacrylonitrile	7.48	41	6279	4.213	ug/l #	91
42) 1,2-Dichloroethane	8.40	62	18239	4.799	ug/l	98
43) Isopropyl Acetate	8.43	43	20399	4.449	ug/l	99
44) Trichloroethene	9.09	130	14025	4.807	ug/l	91
45) 1,2-Dichloropropane	9.37	63	15067	4.639	ug/l	97
46) Dibromomethane	9.46	93	7123	4.805	ug/l	97
47) Bromodichloromethane	9.65	83	17932	4.611	ug/l	95
48) Methyl methacrylate	9.44	41	9492	4.309	ug/l	96
49) 1,4-Dioxane	9.45	88	1996	92.991	ug/l	92
51) 4-Methyl-2-Pentanone	10.21	43	52921	22.189	ug/l	99
52) Toluene	10.39	92	34374	4.689	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	17789	4.379	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	20768	4.300	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	10098	4.801	ug/l	95
56) Ethyl methacrylate	10.65	69	12415	4.034	ug/l	97
57) 1,3-Dichloropropane	10.93	76	18234	4.582	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	21864	15.646	ug/l	98
59) 2-Hexanone	10.97	43	34584	20.537	ug/l	98
60) Dibromochloromethane	11.13	129	10179	4.360	ug/l	97
61) 1,2-Dibromoethane	11.24	107	8985	4.514	ug/l	97
64) Tetrachloroethene	10.87	164	11592	4.963	ug/l	99
65) Chlorobenzene	11.66	112	35158	4.875	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	11844	4.715	ug/l	98
67) Ethyl Benzene	11.73	91	64668	4.708	ug/l	99
68) m/p-Xylenes	11.84	106	47100	9.429	ug/l	100
69) o-Xylene	12.17	106	21342	4.598	ug/l	98
70) Styrene	12.18	104	35737	4.453	ug/l	99
71) Bromoform	12.35	173	5669	4.426	ug/l #	97
73) Isopropylbenzene	12.46	105	62790	4.878	ug/l	99
74) N-amyl acetate	12.27	43	17180	4.263	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	11215	4.632	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	9808m	5.354	ug/l	
77) Bromobenzene	12.75	156	13728	4.825	ug/l	100
78) n-propylbenzene	12.80	91	74726	4.770	ug/l	99
79) 2-Chlorotoluene	12.90	91	43600	4.831	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	50250	4.657	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	3066	3.870	ug/l	86
82) 4-Chlorotoluene	12.99	91	45876	4.845	ug/l	99
83) tert-Butylbenzene	13.21	119	42253	4.683	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	51708	4.757	ug/l	99
85) sec-Butylbenzene	13.38	105	61635	4.787	ug/l	98
86) p-Isopropyltoluene	13.50	119	55376	4.740	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	27698	4.965	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	28004	5.046	ug/l	93
89) n-Butylbenzene	13.82	91	55548	4.765	ug/l	99
90) Hexachloroethane	14.10	117	9634	4.664	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	24275	4.920	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	1831	4.435	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	15746	4.528	ug/l	99
94) Hexachlorobutadiene	15.24	225	10645	4.909	ug/l	98
95) Naphthalene	15.37	128	23593	3.827	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	13602	4.462	ug/l	99

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

