

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091719\
 Data File : VW013084.D
 Acq On : 17 Sep 2019 12:37
 Operator : SY/VA
 Sample : K4851-03MSD
 Misc : 4.88G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3C-(9)MSD

Manual Integrations
 APPROVED

MMDadoda
 9/19/2019 1:27:25 AM

Quant Time: Sep 18 06:31:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	61672	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	92323	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	81806	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	40802	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	30596	53.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.44%	
35) Dibromofluoromethane	7.88	113	25605	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
50) Toluene-d8	10.32	98	105821	53.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.96%	
62) 4-Bromofluorobenzene	12.62	95	37639	53.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	6326	24.516	ug/l	92
3) Chloromethane	2.21	50	18823	64.870	ug/l	97
4) Vinyl Chloride	2.36	62	24467	55.427	ug/l	99
5) Bromomethane	2.78	94	14069	52.190	ug/l	88
6) Chloroethane	2.92	64	15525	57.344	ug/l	97
7) Trichlorofluoromethane	3.26	101	34727	112.499	ug/l	97
8) Diethyl Ether	3.68	74	13517	56.079	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.07	101	26158	55.871	ug/l	99
10) Methyl Iodide	4.26	142	34963	59.671	ug/l	100
11) Tert butyl alcohol	5.15	59	11722	310.010	ug/l	96
12) 1,1-Dichloroethene	4.04	96	22330	52.455	ug/l	99
13) Acrolein	3.90	56	4727	108.612	ug/l	92
14) Allyl chloride	4.67	41	42700	52.836	ug/l	100
15) Acrylonitrile	5.37	53	37975	308.472	ug/l	98
16) Acetone	4.12	43	49376	412.186	ug/l	98
17) Carbon Disulfide	4.37	76	44119	52.006	ug/l	99
18) Methyl Acetate	4.67	43	24950	76.886	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	67135	79.894	ug/l	97
20) Methylene Chloride	4.92	84	26891	59.415	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	24542	53.828	ug/l	95
22) Diisopropyl ether	6.31	45	101272	60.321	ug/l	97
23) Vinyl Acetate	6.25	43	196069	194.987	ug/l	99
24) 1,1-Dichloroethane	6.21	63	52725	54.468	ug/l	98
25) 2-Butanone	7.16	43	56204	310.323	ug/l	97
26) 2,2-Dichloropropane	7.16	77	47473	79.868	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	31137	57.043	ug/l	97
28) Bromochloromethane	7.51	49	24764	60.781	ug/l #	99
29) Tetrahydrofuran	7.53	42	31949	309.596	ug/l	98
30) Chloroform	7.68	83	52992	53.878	ug/l	100
31) Cyclohexane	7.96	56	42834	59.780	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	46937	57.949	ug/l	100
36) 1,1-Dichloropropene	8.08	75	38336	51.964	ug/l	99
37) Ethyl Acetate	7.26	43	21385	54.612	ug/l	99
38) Carbon Tetrachloride	8.06	117	39080	51.692	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	42334	52.367	ug/l	96
40) Benzene	8.32	78	110460	53.634	ug/l	98
41) Methacrylonitrile	7.48	41	14553	56.435	ug/l	93
42) 1,2-Dichloroethane	8.40	62	36682	53.132	ug/l	96
43) Isopropyl Acetate	8.43	43	42211	56.142	ug/l	98
44) Trichloroethene	9.09	130	30790	54.580	ug/l	92
45) 1,2-Dichloropropane	9.37	63	31177	56.977	ug/l	92
46) Dibromomethane	9.46	93	14363	54.788	ug/l	99
47) Bromodichloromethane	9.65	83	38552	52.427	ug/l	97
48) Methyl methacrylate	9.44	41	19133	54.223	ug/l	97
49) 1,4-Dioxane	9.44	88	4968	1130.956	ug/l	88
51) 4-Methyl-2-Pentanone	10.21	43	118547	305.403	ug/l	100
52) Toluene	10.39	92	72354	55.287	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	38822	52.494	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	45638	53.934	ug/l	94
55) 1,1,2-Trichloroethane	10.79	97	23463	58.751	ug/l	99
56) Ethyl methacrylate	10.65	69	30041	55.884	ug/l	99
57) 1,3-Dichloropropane	10.93	76	41218	58.181	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	75036	260.215	ug/l	99
59) 2-Hexanone	10.97	43	86188	318.880	ug/l	99
60) Dibromochloromethane	11.13	129	26703	55.305	ug/l	97
61) 1,2-Dibromoethane	11.23	107	20767	57.003	ug/l	96
64) Tetrachloroethene	10.86	164	41145	84.544	ug/l	95
65) Chlorobenzene	11.66	112	77753	53.360	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	30561	54.729	ug/l	99
67) Ethyl Benzene	11.73	91	143500	53.322	ug/l	99
68) m/p-Xylenes	11.84	106	105036	106.839	ug/l	100
69) o-Xylene	12.16	106	51378	55.743	ug/l	99
70) Styrene	12.18	104	87269	53.226	ug/l	98
71) Bromoform	12.35	173	16560	56.458	ug/l #	100
73) Isopropylbenzene	12.46	105	147835	54.663	ug/l	99
74) N-amyl acetate	12.27	43	34120	49.044	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	27786	58.496	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	19532m	54.651	ug/l	
77) Bromobenzene	12.74	156	34975	56.136	ug/l	97
78) n-propylbenzene	12.80	91	171921	54.042	ug/l	100
79) 2-Chlorotoluene	12.89	91	101295	55.389	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	126083	55.107	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	8646	54.879	ug/l	98
82) 4-Chlorotoluene	12.99	91	105017	54.426	ug/l	99
83) tert-Butylbenzene	13.21	119	109995	53.747	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	123825	54.768	ug/l	98
85) sec-Butylbenzene	13.38	105	152473	54.684	ug/l	99
86) p-Isopropyltoluene	13.50	119	136535	53.335	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	65319	52.960	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	64120	52.903	ug/l	99
89) n-Butylbenzene	13.82	91	122883	50.899	ug/l	99
90) Hexachloroethane	14.09	117	23027	50.195	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	58894	54.299	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4514	51.917	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	30741	39.742	ug/l	97
94) Hexachlorobutadiene	15.24	225	23602	43.102	ug/l	96
95) Naphthalene	15.37	128	48318	37.385	ug/l	98
96) 1,2,3-Trichlorobenzene	15.55	180	28018	40.975	ug/l	97

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

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