

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091719\
 Data File : VW013083.D
 Acq On : 17 Sep 2019 12:11
 Operator : SY/VA
 Sample : K4851-02MS
 Misc : 5.98G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 9/19/2019 1:27:24 AM

Quant Time: Sep 18 06:29:23 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	64865	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	97184	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	84376	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	40800	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	29798	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
35) Dibromofluoromethane	7.88	113	25354	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	
50) Toluene-d8	10.32	98	103187	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
62) 4-Bromofluorobenzene	12.62	95	35740	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	5494	19.387	ug/l	96
3) Chloromethane	2.21	50	17794	57.761	ug/l	94
4) Vinyl Chloride	2.36	62	23740	51.133	ug/l	98
5) Bromomethane	2.78	94	13445	47.420	ug/l	92
6) Chloroethane	2.92	64	14655	51.466	ug/l	99
7) Trichlorofluoromethane	3.26	101	33572	103.404	ug/l	100
8) Diethyl Ether	3.68	74	12896	50.869	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.07	101	25487	51.758	ug/l	98
10) Methyl Iodide	4.27	142	33230	53.922	ug/l	98
11) Tert butyl alcohol	5.17	59	13313	336.625	ug/l	98
12) 1,1-Dichloroethene	4.04	96	21286	47.542	ug/l	93
13) Acrolein	3.90	56	4709	102.491	ug/l	91
14) Allyl chloride	4.67	41	43621	51.319	ug/l	94
15) Acrylonitrile	5.37	53	38023	293.658	ug/l	98
16) Acetone	4.12	43	47535	375.488	ug/l	100
17) Carbon Disulfide	4.37	76	42925	48.108	ug/l	99
18) Methyl Acetate	4.68	43	23048	67.529	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	65696	74.333	ug/l	98
20) Methylene Chloride	4.92	84	25830	53.759	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	22979	47.919	ug/l	90
22) Diisopropyl ether	6.31	45	95435	54.046	ug/l	99
23) Vinyl Acetate	6.26	43	237822	224.867	ug/l	99
24) 1,1-Dichloroethane	6.21	63	51497	50.581	ug/l	98
25) 2-Butanone	7.17	43	56904	298.722	ug/l	100
26) 2,2-Dichloropropane	7.17	77	44936	71.403	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	28056	48.868	ug/l	99
28) Bromochloromethane	7.52	49	23299	54.371	ug/l	99
29) Tetrahydrofuran	7.53	42	33144	305.366	ug/l	98
30) Chloroform	7.68	83	52163	50.425	ug/l	96
31) Cyclohexane	7.95	56	41722	55.018	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	45154	53.003	ug/l	100
36) 1,1-Dichloropropene	8.09	75	36181	46.590	ug/l	99
37) Ethyl Acetate	7.25	43	21359	51.817	ug/l	99
38) Carbon Tetrachloride	8.07	117	37350	46.932	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	39019	45.852	ug/l	98
40) Benzene	8.32	78	106515	49.131	ug/l	97
41) Methacrylonitrile	7.48	41	14858	54.736	ug/l	93
42) 1,2-Dichloroethane	8.40	62	35434	48.757	ug/l	97
43) Isopropyl Acetate	8.43	43	44123	55.750	ug/l	98
44) Trichloroethene	9.09	130	28502	47.997	ug/l	91
45) 1,2-Dichloropropane	9.37	63	29429	51.092	ug/l	98
46) Dibromomethane	9.46	93	13868	50.254	ug/l	99
47) Bromodichloromethane	9.64	83	37312	48.203	ug/l	96
48) Methyl methacrylate	9.43	41	19267	51.872	ug/l	94
49) 1,4-Dioxane	9.45	88	5207	1126.074	ug/l #	89
51) 4-Methyl-2-Pentanone	10.21	43	120278	294.364	ug/l	99
52) Toluene	10.39	92	68815	49.952	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	37967	48.770	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	43410	48.735	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	22102	52.575	ug/l	94
56) Ethyl methacrylate	10.65	69	29700	52.486	ug/l	95
57) 1,3-Dichloropropane	10.93	76	39381	52.808	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	74392	245.078	ug/l	99
59) 2-Hexanone	10.97	43	86695	304.712	ug/l	99
60) Dibromochloromethane	11.13	129	25455	50.083	ug/l	98
61) 1,2-Dibromoethane	11.23	107	20571	53.641	ug/l	100
64) Tetrachloroethene	10.86	164	33898	67.532	ug/l	99
65) Chlorobenzene	11.66	112	72217	48.051	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	27286	47.376	ug/l	97
67) Ethyl Benzene	11.73	91	134126	48.321	ug/l	99
68) m/p-Xylenes	11.84	106	98105	96.749	ug/l	100
69) o-Xylene	12.16	106	47146	49.593	ug/l	100
70) Styrene	12.18	104	80091	47.360	ug/l	100
71) Bromoform	12.35	173	14941	49.387	ug/l #	98
73) Isopropylbenzene	12.46	105	137058	50.681	ug/l	99
74) N-amyl acetate	12.27	43	36211	52.052	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	27020	56.886	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	18290m	51.179	ug/l	
77) Bromobenzene	12.74	156	31220	50.112	ug/l	98
78) n-propylbenzene	12.80	91	157240	49.429	ug/l	100
79) 2-Chlorotoluene	12.89	91	92928	50.817	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	112937	49.364	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	7972	50.603	ug/l	97
82) 4-Chlorotoluene	12.99	91	94543	49.000	ug/l	100
83) tert-Butylbenzene	13.21	119	102268	49.974	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	113179	50.062	ug/l	99
85) sec-Butylbenzene	13.38	105	138992	49.851	ug/l	99
86) p-Isopropyltoluene	13.50	119	121325	47.396	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	58465	47.405	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	56311	46.462	ug/l	99
89) n-Butylbenzene	13.82	91	109635	45.414	ug/l	99
90) Hexachloroethane	14.09	117	21138	46.079	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	53985	49.775	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.48	75	4039	46.456	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	25437	32.886	ug/l	98
94) Hexachlorobutadiene	15.24	225	21094	38.523	ug/l	99
95) Naphthalene	15.36	128	41228	31.901	ug/l	98
96) 1,2,3-Trichlorobenzene	15.55	180	23052	33.714	ug/l	98

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

