

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090719\
 Data File : VW012758.D
 Acq On : 08 Sep 2019 09:41
 Operator : SY/VA
 Sample : VW0907SBSD02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0907SBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 1:22:35 PM

Quant Time: Sep 09 04:44:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	230048	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	357065	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	271383	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	154270	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	125392	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	
35) Dibromofluoromethane	7.88	113	92451	43.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.10%	
50) Toluene-d8	10.32	98	393946	47.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.74%	
62) 4-Bromofluorobenzene	12.62	95	122762	40.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	29938	24.005	ug/l	94
3) Chloromethane	2.21	50	31691	20.909	ug/l	94
4) Vinyl Chloride	2.35	62	40788	21.948	ug/l	100
5) Bromomethane	2.77	94	22607	22.402	ug/l	96
6) Chloroethane	2.90	64	22865	20.618	ug/l	96
7) Trichlorofluoromethane	3.24	101	29866	23.289	ug/l	95
8) Diethyl Ether	3.68	74	22699	21.060	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	44913	22.317	ug/l	98
10) Methyl Iodide	4.26	142	54733	21.604	ug/l	99
11) Tert butyl alcohol	5.21	59	15409	78.352	ug/l #	84
12) 1,1-Dichloroethene	4.03	96	41341	21.761	ug/l	96
13) Acrolein	3.89	56	18677	89.494	ug/l	98
14) Allyl chloride	4.66	41	79116	20.131	ug/l	96
15) Acrylonitrile	5.37	53	57504	91.343	ug/l	99
16) Acetone	4.13	43	60750	86.694	ug/l	97
17) Carbon Disulfide	4.37	76	84623	20.985	ug/l	99
18) Methyl Acetate	4.67	43	30692	18.668	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	74181	19.689	ug/l	93
20) Methylene Chloride	4.90	84	43716	19.941	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	41979	21.656	ug/l	93
22) Diisopropyl ether	6.31	45	166084	21.308	ug/l	95
23) Vinyl Acetate	6.25	43	495705	100.350	ug/l	98
24) 1,1-Dichloroethane	6.21	63	89998	21.444	ug/l	99
25) 2-Butanone	7.16	43	83921	94.614	ug/l	97
26) 2,2-Dichloropropane	7.16	77	55328	20.873	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	47997	21.354	ug/l	99
28) Bromochloromethane	7.51	49	36919	19.158	ug/l	99
29) Tetrahydrofuran	7.53	42	51659	91.290	ug/l	99
30) Chloroform	7.67	83	88040	21.167	ug/l	99
31) Cyclohexane	7.95	56	77694	20.563	ug/l #	94
32) 1,1,1-Trichloroethane	7.87	97	72256	21.431	ug/l	99
36) 1,1-Dichloropropene	8.08	75	67502	21.276	ug/l	99
37) Ethyl Acetate	7.25	43	37765	18.673	ug/l	99
38) Carbon Tetrachloride	8.07	117	64559	20.643	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	75332	21.141	ug/l	97
40) Benzene	8.32	78	180796	20.539	ug/l	98
41) Methacrylonitrile	7.48	41	21351	18.177	ug/l #	94
42) 1,2-Dichloroethane	8.40	62	64044	20.673	ug/l	100
43) Isopropyl Acetate	8.42	43	69855	18.231	ug/l	96
44) Trichloroethene	9.09	130	47570	20.965	ug/l	95
45) 1,2-Dichloropropane	9.37	63	49690	20.353	ug/l	94
46) Dibromomethane	9.46	93	23049	19.937	ug/l	99
47) Bromodichloromethane	9.64	83	62493	19.648	ug/l	99
48) Methyl methacrylate	9.43	41	32562	17.783	ug/l	97
49) 1,4-Dioxane	9.48	88	7442	325.887	ug/l #	70
51) 4-Methyl-2-Pentanone	10.21	43	185116	92.071	ug/l	100
52) Toluene	10.38	92	116818	21.263	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	64267	19.650	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	74841	20.172	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	34523	19.946	ug/l	98
56) Ethyl methacrylate	10.65	69	48874	19.291	ug/l	97
57) 1,3-Dichloropropane	10.93	76	63050	19.691	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	129704	96.433	ug/l	100
59) 2-Hexanone	10.97	43	120099	81.761	ug/l	99
60) Dibromochloromethane	11.13	129	39349	19.331	ug/l	99
61) 1,2-Dibromoethane	11.23	107	30456	19.193	ug/l	100
64) Tetrachloroethene	10.86	164	40720	24.728	ug/l	95
65) Chlorobenzene	11.66	112	104632	20.399	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	41459	21.705	ug/l	99
67) Ethyl Benzene	11.73	91	210390	21.862	ug/l	98
68) m/p-Xylenes	11.84	106	161012	46.352	ug/l	98
69) o-Xylene	12.16	106	76008	23.193	ug/l	98
70) Styrene	12.18	104	133429	23.041	ug/l	98
71) Bromoform	12.35	173	23314	21.968	ug/l #	98
73) Isopropylbenzene	12.46	105	225121	20.346	ug/l	98
74) N-amyl acetate	12.27	43	65483	18.645	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	39892	17.952	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	29170m	18.492	ug/l	
77) Bromobenzene	12.74	156	49340	19.682	ug/l	97
78) n-propylbenzene	12.80	91	272246	20.573	ug/l	100
79) 2-Chlorotoluene	12.89	91	140285	18.466	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	186980	20.055	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	12569	16.852	ug/l	94
82) 4-Chlorotoluene	12.99	91	160624	19.989	ug/l	100
83) tert-Butylbenzene	13.21	119	160757	19.500	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	186637	19.866	ug/l	99
85) sec-Butylbenzene	13.38	105	230617	20.159	ug/l	98
86) p-Isopropyltoluene	13.50	119	214611	20.539	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	102392	20.781	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	98644	20.119	ug/l	100
89) n-Butylbenzene	13.82	91	197565	19.475	ug/l	100
90) Hexachloroethane	14.09	117	35912	19.687	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	88105	19.867	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7438	18.291	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	58939	19.089	ug/l	99
94) Hexachlorobutadiene	15.24	225	42566	19.917	ug/l	99
95) Naphthalene	15.36	128	103443	19.002	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	51633	18.945	ug/l	99

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

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