

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111718\
 Data File : VW006930.D
 Acq On : 16 Nov 2018 23:19
 Operator : SY/AP
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

Quant Time: Nov 17 04:24:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 17 01:21:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	apatel
1) Pentafluorobenzene	7.95	168	111948	50.00	ug/l	0.00	
34) 1,4-Difluorobenzene	8.85	114	183004	50.00	ug/l	0.00	
63) Chlorobenzene-d5	11.63	117	175869	50.00	ug/l	0.00	
72) 1,4-Dichlorobenzene-d4	13.57	152	88039	50.00	ug/l	0.00	11/19/2018 3:29:19 PM

System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.31	65	12302	13.64	ug/l	0.00	
Spiked Amount	50.000		Recovery	=	27.28%		
35) Dibromofluoromethane	7.88	113	9953	9.02	ug/l	0.00	
Spiked Amount	50.000		Recovery	=	18.04%		
50) Toluene-d8	10.33	98	45722	9.94	ug/l	0.00	
Spiked Amount	50.000		Recovery	=	19.88%		
62) 4-Bromofluorobenzene	12.62	95	18101	10.58	ug/l	0.00	
Spiked Amount	50.000		Recovery	=	21.16%		

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	12485	13.13	ug/l	96
3) Chloromethane	2.21	50	10686	10.35	ug/l	98
4) Vinyl Chloride	2.36	62	9766	9.00	ug/l	100
5) Bromomethane	2.78	94	5637	7.96	ug/l	94
6) Chloroethane	2.92	64	5481	7.90	ug/l	96
7) Trichlorofluoromethane	3.27	101	18135	11.87	ug/l	99
8) Diethyl Ether	3.69	74	6262	13.39	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	11749	11.42	ug/l	97
10) Methyl Iodide	4.28	142	10474	7.50	ug/l	99
11) Tert butyl alcohol	5.21	59	4794m	81.21	ug/l	
12) 1,1-Dichloroethene	4.05	96	10212	11.63	ug/l	94
13) Acrolein	3.91	56	4403	71.40	ug/l	98
14) Allyl chloride	4.68	41	17364	14.11	ug/l	97
15) Acrylonitrile	5.38	53	12076	67.68	ug/l	98
16) Acetone	4.14	43	9589	73.67	ug/l	92
17) Carbon Disulfide	4.39	76	31511	11.35	ug/l	98
18) Methyl Acetate	4.69	43	6306	14.11	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	29522	13.57	ug/l	96
20) Methylene Chloride	4.92	84	16729	12.32	ug/l	# 89
21) trans-1,2-Dichloroethene	5.43	96	12305	11.87	ug/l	99
22) Diisopropyl ether	6.32	45	36393	14.36	ug/l	97
23) Vinyl Acetate	6.26	43	102552	71.84	ug/l	98
24) 1,1-Dichloroethane	6.22	63	20625	12.63	ug/l	99
25) 2-Butanone	7.18	43	15439	70.63	ug/l	97
26) 2,2-Dichloropropane	7.17	77	19353	12.14	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	13520	12.14	ug/l	97
28) Bromochloromethane	7.52	49	8006	13.92	ug/l	98
29) Tetrahydrofuran	7.54	42	10331	73.82	ug/l	97
30) Chloroform	7.68	83	23591	13.33	ug/l	97
31) Cyclohexane	7.96	56	23109	13.98	ug/l	# 91
32) 1,1,1-Trichloroethane	7.88	97	20468	12.18	ug/l	99
36) 1,1-Dichloropropene	8.09	75	18114	10.56	ug/l	98
37) Ethyl Acetate	7.27	43	7649	13.06	ug/l	97
38) Carbon Tetrachloride	8.07	117	17786	9.71	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	apatel
39) Methylcyclohexane	9.34	83	22562	10.26	ug/l	97	
40) Benzene	8.33	78	49584	10.35	ug/l	99	
41) Methacrylonitrile	7.49	41	4647	12.86	ug/l	98	
42) 1,2-Dichloroethane	8.41	62	15499	11.89	ug/l	97	11/19/2018 3:29:19 PM
43) Isopropyl Acetate	8.43	43	13891	12.18	ug/l	99	
44) Trichloroethene	9.10	130	13180	8.93	ug/l	96	
45) 1,2-Dichloropropane	9.37	63	12499	11.07	ug/l	100	
46) Dibromomethane	9.46	93	6416	10.36	ug/l	98	
47) Bromodichloromethane	9.65	83	16906	10.92	ug/l #	96	
48) Methyl methacrylate	9.45	41	6900	12.43	ug/l	95	
49) 1,4-Dioxane	9.49	88	2117	225.29	ug/l #	94	
51) 4-Methyl-2-Pentanone	10.21	43	35450	62.20	ug/l	99	
52) Toluene	10.39	92	34845	10.37	ug/l	97	
53) t-1,3-Dichloropropene	10.61	75	15304	10.04	ug/l	100	
54) cis-1,3-Dichloropropene	10.07	75	19114	10.56	ug/l	97	
55) 1,1,2-Trichloroethane	10.79	97	9331	10.15	ug/l	95	
56) Ethyl methacrylate	10.65	69	11061	10.77	ug/l	98	
57) 1,3-Dichloropropane	10.93	76	16041	10.90	ug/l	99	
58) 2-Chloroethyl Vinyl ether	9.93	63	29446	58.23	ug/l	99	
59) 2-Hexanone	10.98	43	23312	59.63	ug/l	99	
60) Dibromochloromethane	11.13	129	10209	9.18	ug/l	100	
61) 1,2-Dibromoethane	11.24	107	8980	10.33	ug/l	97	
64) Tetrachloroethene	10.87	164	11127	8.18	ug/l	98	
65) Chlorobenzene	11.66	112	37370	9.65	ug/l	94	
66) 1,1,1,2-Tetrachloroethane	11.73	131	11508	9.18	ug/l	99	
67) Ethyl Benzene	11.74	91	67881	10.21	ug/l	96	
68) m/p-Xylenes	11.84	106	54021	20.04	ug/l	98	
69) o-Xylene	12.17	106	25109	9.99	ug/l	99	
70) Styrene	12.18	104	40217	9.97	ug/l	99	
71) Bromoform	12.35	173	5216	7.81	ug/l #	97	
73) Isopropylbenzene	12.47	105	67288	10.79	ug/l	100	
74) N-amyl acetate	12.28	43	13193	13.19	ug/l	99	
75) 1,1,2,2-Tetrachloroethane	12.72	83	9597	11.02	ug/l	99	
76) 1,2,3-Trichloropropane	12.77	75	6539m	9.84	ug/l		
77) Bromobenzene	12.76	156	14278	9.30	ug/l	96	
78) n-propylbenzene	12.81	91	82810	11.21	ug/l	100	
79) 2-Chlorotoluene	12.90	91	48003	11.50	ug/l	100	
80) 1,3,5-Trimethylbenzene	12.95	105	58809	10.97	ug/l	99	
81) trans-1,4-Dichloro-2-buten	12.52	75	2704	10.18	ug/l	96	
82) 4-Chlorotoluene	12.99	91	51649	11.61	ug/l	100	
83) tert-Butylbenzene	13.21	119	50864	10.82	ug/l	99	
84) 1,2,4-Trimethylbenzene	13.26	105	58816	10.80	ug/l	98	
85) sec-Butylbenzene	13.39	105	72993	10.94	ug/l	100	
86) p-Isopropyltoluene	13.51	119	63351	10.51	ug/l	99	
87) 1,3-Dichlorobenzene	13.51	146	30423	9.76	ug/l	99	
88) 1,4-Dichlorobenzene	13.58	146	29887	9.68	ug/l	96	
89) n-Butylbenzene	13.83	91	58246	10.49	ug/l	99	
90) Hexachloroethane	14.10	117	9687	9.99	ug/l	97	
91) 1,2-Dichlorobenzene	13.88	146	27375	10.05	ug/l	97	
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1668	11.65	ug/l	96	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	
93) 1,2,4-Trichlorobenzene	15.15	180	16356	8.16	ug/l	99	
94) Hexachlorobutadiene	15.24	225	9201	7.44	ug/l	99	
95) Naphthalene	15.38	128	30912	9.90	ug/l	98	
96) 1,2,3-Trichlorobenzene	15.57	180	14073	8.18	ug/l	100	11/19/2018 3:29:19 PM

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

