

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062220\
 Data File : VW015650.D
 Acq On : 22 Jun 2020 15:39
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/23/2020 11:00:51 AM

Quant Time: Jun 23 06:20:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060220S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 02 13:57:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	237585	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	367849	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	338108	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	173585	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	114137	45.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.90%	
35) Dibromofluoromethane	7.88	113	102762	47.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.80%	
50) Toluene-d8	10.33	98	421284	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	
62) 4-Bromofluorobenzene	12.62	95	151483	47.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	72386	54.539	ug/l	94
3) Chloromethane	2.21	50	78162	47.916	ug/l	98
4) Vinyl Chloride	2.37	62	134641	52.961	ug/l	99
5) Bromomethane	2.78	94	92659	51.699	ug/l	95
6) Chloroethane	2.92	64	86506	52.566	ug/l	96
7) Trichlorofluoromethane	3.26	101	108743	57.318	ug/l	100
8) Diethyl Ether	3.68	74	56519	49.121	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	118120	51.174	ug/l	98
10) Methyl Iodide	4.27	142	166037	48.718	ug/l	100
11) Tert butyl alcohol	5.20	59	37370	218.478	ug/l	100
12) 1,1-Dichloroethene	4.04	96	116268	50.614	ug/l	98
13) Acrolein	3.89	56	40097	261.581	ug/l	100
14) Allyl chloride	4.67	41	191377	48.980	ug/l	99
15) Acrylonitrile	5.37	53	119266	250.684	ug/l	99
16) Acetone	4.13	43	143325	253.699	ug/l	96
17) Carbon Disulfide	4.38	76	338365	49.318	ug/l	100
18) Methyl Acetate	4.67	43	53165	47.210	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	178377	50.037	ug/l	99
20) Methylene Chloride	4.91	84	126591	48.162	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	130689	50.283	ug/l	97
22) Diisopropyl ether	6.31	45	375284	50.828	ug/l	99
23) Vinyl Acetate	6.26	43	1133295	258.881	ug/l	100
24) 1,1-Dichloroethane	6.22	63	230421	49.530	ug/l	100
25) 2-Butanone	7.17	43	174110	258.336	ug/l	100
26) 2,2-Dichloropropane	7.17	77	155598	47.621	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	141262	49.965	ug/l	98
28) Bromochloromethane	7.51	49	80308	45.997	ug/l	100
29) Tetrahydrofuran	7.54	42	100179	250.719	ug/l	99
30) Chloroform	7.68	83	235111	50.344	ug/l	100
31) Cyclohexane	7.96	56	217247	47.820	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	205179	50.868	ug/l	99
36) 1,1-Dichloropropene	8.09	75	196062	52.679	ug/l	99
37) Ethyl Acetate	7.25	43	74235	51.393	ug/l	100
38) Carbon Tetrachloride	8.07	117	192896	52.935	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	241680	52.655	ug/l	98
40) Benzene	8.32	78	520323	51.807	ug/l	100
41) Methacrylonitrile	7.48	41	45717	55.102	ug/l	96
42) 1,2-Dichloroethane	8.40	62	160650	52.407	ug/l	100
43) Isopropyl Acetate	8.43	43	149641	52.148	ug/l	99
44) Trichloroethene	9.09	130	142189	53.054	ug/l	99
45) 1,2-Dichloropropane	9.37	63	126164	51.495	ug/l	97
46) Dibromomethane	9.46	93	65305	52.213	ug/l	99
47) Bromodichloromethane	9.65	83	174159	51.458	ug/l	99
48) Methyl methacrylate	9.44	41	69702	53.140	ug/l	99
49) 1,4-Dioxane	9.46	88	16982	811.117	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	369050	270.689	ug/l	100
52) Toluene	10.39	92	344634	53.196	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	175580	52.630	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	205178	52.192	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	93168	53.365	ug/l	99
56) Ethyl methacrylate	10.65	69	122119	53.775	ug/l	100
57) 1,3-Dichloropropane	10.93	76	163695	52.948	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	281936	259.655	ug/l	100
59) 2-Hexanone	10.97	43	263344	279.251	ug/l	99
60) Dibromochloromethane	11.13	129	111010	52.110	ug/l	98
61) 1,2-Dibromoethane	11.24	107	88637	53.050	ug/l	98
64) Tetrachloroethene	10.87	164	120587	53.226	ug/l	90
65) Chlorobenzene	11.66	112	359450	52.150	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	127525	51.771	ug/l	99
67) Ethyl Benzene	11.73	91	679489	52.394	ug/l	100
68) m/p-Xylenes	11.84	106	516815	106.654	ug/l	99
69) o-Xylene	12.17	106	239714	53.105	ug/l	99
70) Styrene	12.18	104	406042	52.666	ug/l	100
71) Bromoform	12.35	173	62470	52.763	ug/l #	98
73) Isopropylbenzene	12.47	105	670565	50.525	ug/l	99
74) N-amyl acetate	12.27	43	145887	51.210	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	106349	52.003	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	76682m	52.386	ug/l	
77) Bromobenzene	12.75	156	144121	50.288	ug/l	99
78) n-propylbenzene	12.80	91	805735	50.814	ug/l	100
79) 2-Chlorotoluene	12.90	91	446933	49.657	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	559592	50.032	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	34442	50.682	ug/l	100
82) 4-Chlorotoluene	12.99	91	473876	50.997	ug/l	99
83) tert-Butylbenzene	13.21	119	482226	50.520	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	564135	50.472	ug/l	100
85) sec-Butylbenzene	13.38	105	687276	51.020	ug/l	100
86) p-Isopropyltoluene	13.50	119	629939	51.053	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	292528	51.451	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	287470	50.750	ug/l	99
89) n-Butylbenzene	13.82	91	604619	51.047	ug/l	99
90) Hexachloroethane	14.10	117	112160	49.415	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	250017	50.365	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	16966	48.120	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	166895	48.942	ug/l	97
94) Hexachlorobutadiene	15.24	225	99988	48.082	ug/l	100
95) Naphthalene	15.37	128	290136	50.307	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	141485	49.255	ug/l	100

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

