

Data File : VF062474.D
Acq On : 11 May 2019 22:43
Operator : FY/SY
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_F/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
5/12/2019 12:05:10 PM

Quant Time: May 12 10:22:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	291402	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.79	114	377244	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.92	117	336619	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	211242	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	143711	52.19	ug/l	0.02
Spiked Amount	50.000		Recovery	=	104.38%	
35) Dibromofluoromethane	4.32	113	165587	55.10	ug/l	0.02
Spiked Amount	50.000		Recovery	=	110.20%	
50) Toluene-d8	7.72	98	379701	52.19	ug/l	0.02
Spiked Amount	50.000		Recovery	=	104.38%	
62) 4-Bromofluorobenzene	11.50	95	166209	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.01	85	138938	41.197	ug/l	100
3) Chloromethane	1.15	50	90303m	40.599	ug/l	
4) Vinyl Chloride	1.20	62	92381	41.640	ug/l	98
5) Bromomethane	1.39	94	83864	50.102	ug/l	99
6) Chloroethane	1.44	64	54415	48.785	ug/l	95
7) Trichlorofluoromethane	1.55	101	229674	49.895	ug/l	100
8) Diethyl Ether	1.72	74	33469	48.053	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.91	101	130077	49.496	ug/l	97
10) Methyl Iodide	1.97	142	216808	50.062	ug/l	99
11) Tert butyl alcohol	2.69	59	33597	215.862	ug/l	96
12) 1,1-Dichloroethene	1.87	96	100919	45.171	ug/l	97
13) Acrolein	2.10	56	28385	299.202	ug/l	90
14) Allyl chloride	2.20	41	126177m	63.934	ug/l	
15) Acrylonitrile	3.10	53	68114	231.032	ug/l	97
16) Acetone	2.36	43	121170	217.506	ug/l	99
17) Carbon Disulfide	1.91	76	200590	41.177	ug/l	99
18) Methyl Acetate	2.47	43	49164	48.285	ug/l	94
19) Methyl tert-butyl Ether	2.56	73	230826	50.051	ug/l	98
20) Methylene Chloride	2.33	84	97181	48.216	ug/l	# 89
21) trans-1,2-Dichloroethene	2.43	96	92086	43.261	ug/l	96
22) Diisopropyl ether	2.95	45	295069	47.837	ug/l	99
23) Vinyl Acetate	3.35	43	662317	240.922	ug/l	98
24) 1,1-Dichloroethane	3.02	63	194931	52.290	ug/l	97
25) 2-Butanone	4.54	43	159731	228.225	ug/l	97
26) 2,2-Dichloropropane	3.79	77	114106	54.810	ug/l	96
27) cis-1,2-Dichloroethene	3.66	96	131297	49.346	ug/l	97
28) Bromochloromethane	3.92	49	91215	53.951	ug/l	95
29) Tetrahydrofuran	4.28	42	66619	207.107	ug/l	99
30) Chloroform	4.06	83	263110	52.242	ug/l	100
31) Cyclohexane	3.91	56	124493	41.839	ug/l	95
32) 1,1,1-Trichloroethane	4.30	97	228434	52.921	ug/l	99
36) 1,1-Dichloropropene	4.48	75	161393	49.803	ug/l	99
37) Ethyl Acetate	4.31	43	63786	50.611	ug/l	# 100
38) Carbon Tetrachloride	4.20	117	208791m	62.829	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	145627	44.807	ug/l	95
40) Benzene	4.83	78	342658	48.017	ug/l	95
41) Methacrylonitrile	4.94	41	33988	43.740	ug/l	93
42) 1,2-Dichloroethane	5.14	62	152668	51.152	ug/l	98
43) Isopropyl Acetate	7.12	43	70303	47.695	ug/l #	97
44) Trichloroethene	5.69	130	133897	51.078	ug/l	95
45) 1,2-Dichloropropane	6.42	63	82507	51.045	ug/l	94
46) Dibromomethane	6.27	93	70311	52.465	ug/l	96
47) Bromodichloromethane	6.57	83	173466	51.771	ug/l	99
48) Methyl methacrylate	6.88	41	50764	48.733	ug/l	98
49) 1,4-Dioxane	6.88	88	8921	830.483	ug/l #	88
51) 4-Methyl-2-Pentanone	8.41	43	290388	259.989	ug/l	99
52) Toluene	7.79	92	221902	50.405	ug/l	96
53) t-1,3-Dichloropropene	8.43	75	130392	51.453	ug/l	96
54) cis-1,3-Dichloropropene	7.46	75	146029	49.513	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	75816	54.250	ug/l	92
56) Ethyl methacrylate	8.77	69	72765	49.324	ug/l	99
57) 1,3-Dichloropropane	9.00	76	108923	51.598	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.45	63	103924	234.316	ug/l	99
59) 2-Hexanone	9.62	43	189929	245.873	ug/l	96
60) Dibromochloromethane	8.86	129	126591	55.384	ug/l	98
61) 1,2-Dibromoethane	9.14	107	86733	52.804	ug/l	97
64) Tetrachloroethene	8.31	164	128134	46.888	ug/l	97
65) Chlorobenzene	9.94	112	278145	49.940	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	142657	50.774	ug/l	99
67) Ethyl Benzene	10.04	91	481304	49.350	ug/l	99
68) m/p-Xylenes	10.26	106	356293	99.014	ug/l	99
69) o-Xylene	10.83	106	201311	51.773	ug/l	96
70) Styrene	10.89	104	281464	48.299	ug/l	99
71) Bromoform	10.89	173	76422	49.647	ug/l #	100
73) Isopropylbenzene	11.22	105	605603	48.358	ug/l	99
74) N-amyl acetate	11.46	43	126430	47.025	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	95510	48.709	ug/l	96
76) 1,2,3-Trichloropropane	11.87	75	73441	49.092	ug/l #	100
77) Bromobenzene	11.58	156	163216	49.660	ug/l	98
78) n-propylbenzene	11.67	91	629056	47.181	ug/l	99
79) 2-Chlorotoluene	11.80	91	403514	48.671	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	526043	47.924	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	22271m	39.605	ug/l	
82) 4-Chlorotoluene	11.98	91	396010	48.362	ug/l	100
83) tert-Butylbenzene	12.20	119	549753	47.657	ug/l	100
84) 1,2,4-Trimethylbenzene	12.27	105	517555	48.182	ug/l	97
85) sec-Butylbenzene	12.37	105	686917	48.922	ug/l	98
86) p-Isopropyltoluene	12.52	119	621998	47.679	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	294786	49.110	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	277754	47.942	ug/l	98
89) n-Butylbenzene	12.90	91	563107	48.517	ug/l	99
90) Hexachloroethane	12.97	117	154621	47.469	ug/l	99
91) 1,2-Dichlorobenzene	13.00	146	282887	48.690	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.69	75	21646	49.275	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF051119\
Quantitation Report (QT Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	255233	48.977	ug/l	100
94) Hexachlorobutadiene	14.23	225	191990	49.429	ug/l	99
95) Naphthalene	14.49	128	390508	49.843	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	251936	49.901	ug/l	99

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

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