

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041719\
 Data File : VF062190.D
 Acq On : 17 Apr 2019 17:11
 Operator : FY/SY
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 4/19/2019 10:53:05 AM

Quant Time: Apr 18 07:46:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 06:46:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	388689	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	557339	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	413113	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	237712	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	19655	3.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	7.60%	
35) Dibromofluoromethane	4.30	113	28246	7.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	14.78%	
50) Toluene-d8	7.70	98	69869	5.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.02%	
62) 4-Bromofluorobenzene	11.48	95	28936	5.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.70%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.00	85	32701	7.015	ug/l	99
3) Chloromethane	1.14	50	34701	6.177	ug/l	92
4) Vinyl Chloride	1.19	62	28128	5.264	ug/l #	77
5) Bromomethane	1.39	94	17103	4.864	ug/l	95
6) Chloroethane	1.44	64	12840	4.257	ug/l #	79
7) Trichlorofluoromethane	1.56	101	37715	5.942	ug/l	96
8) Diethyl Ether	1.70	74	7824	2.955	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.91	101	25312	6.152	ug/l	94
10) Methyl Iodide	1.99	142	42622	8.960	ug/l #	86
11) Tert butyl alcohol	2.69	59	7251	7.031	ug/l #	92
12) 1,1-Dichloroethene	1.87	96	24462	5.799	ug/l	92
13) Acrolein	2.10	56	6025	7.009	ug/l #	57
14) Allyl chloride	2.19	41	28893	3.446	ug/l	97
15) Acrylonitrile	3.08	53	22261	8.193	ug/l	98
16) Acetone	2.35	43	25364	10.061	ug/l	99
17) Carbon Disulfide	1.91	76	60947	4.670	ug/l #	94
18) Methyl Acetate	2.46	43	20121	3.176	ug/l #	86
19) Methyl tert-butyl Ether	2.54	73	42050	3.061	ug/l	96
20) Methylene Chloride	2.34	84	45894m	9.473	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	24366	5.453	ug/l	94
22) Diisopropyl ether	2.93	45	71709	4.240	ug/l	98
23) Vinyl Acetate	3.33	43	160808	11.472	ug/l	97
24) 1,1-Dichloroethane	3.01	63	37579	4.385	ug/l	97
25) 2-Butanone	4.51	43	50763	12.457	ug/l	99
26) 2,2-Dichloropropane	3.76	77	20880	3.403	ug/l	99
27) cis-1,2-Dichloroethene	3.64	96	30538	5.876	ug/l	98
28) Bromochloromethane	3.89	49	18391	4.589	ug/l #	94
29) Tetrahydrofuran	4.26	42	22043	8.217	ug/l	94
30) Chloroform	4.03	83	49580	6.128	ug/l	94
31) Cyclohexane	3.86	56	48130	5.538	ug/l	92
32) 1,1,1-Trichloroethane	4.27	97	37005	5.842	ug/l #	81
36) 1,1-Dichloropropene	4.46	75	38365	6.421	ug/l	94
37) Ethyl Acetate	4.30	43	18575	2.779	ug/l #	98
38) Carbon Tetrachloride	4.17	117	31818	6.373	ug/l #	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	45634	6.324	ug/l	95
40) Benzene	4.81	78	101664	5.933	ug/l	98
41) Methacrylonitrile	4.92	41	11358	2.939	ug/l #	61
42) 1,2-Dichloroethane	5.12	62	24869	4.263	ug/l #	74
43) Isopropyl Acetate	7.11	43	20382	1.936	ug/l	98
44) Trichloroethene	5.67	130	26488	6.162	ug/l	95
45) 1,2-Dichloropropane	6.40	63	21403	4.671	ug/l	94
46) Dibromomethane	6.25	93	13556	4.936	ug/l	99
47) Bromodichloromethane	6.53	83	31865	5.845	ug/l #	95
48) Methyl methacrylate	6.87	41	13030	2.466	ug/l	99
49) 1,4-Dioxane	6.87	88	3111	31.771	ug/l	88
51) 4-Methyl-2-Pentanone	8.39	43	75147	11.108	ug/l	100
52) Toluene	7.77	92	51563	5.094	ug/l	96
53) t-1,3-Dichloropropene	8.41	75	23689	4.039	ug/l	95
54) cis-1,3-Dichloropropene	7.45	75	33109	4.899	ug/l	91
55) 1,1,2-Trichloroethane	8.62	97	13644	3.577	ug/l	93
56) Ethyl methacrylate	8.74	69	16781	2.576	ug/l #	84
57) 1,3-Dichloropropane	8.98	76	22640	3.368	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.43	63	20817	6.120	ug/l	99
59) 2-Hexanone	9.61	43	52709	10.212	ug/l	94
60) Dibromochloromethane	8.84	129	20781	5.389	ug/l	95
61) 1,2-Dibromoethane	9.12	107	15629	3.938	ug/l	93
64) Tetrachloroethene	8.29	164	21276	6.525	ug/l	93
65) Chlorobenzene	9.92	112	45544	5.123	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.04	131	24485	7.511	ug/l	98
67) Ethyl Benzene	10.01	91	97245	6.075	ug/l	96
68) m/p-Xylenes	10.24	106	68993	11.846	ug/l	92
69) o-Xylene	10.80	106	38055	6.517	ug/l	92
70) Styrene	10.88	104	55308	5.716	ug/l	98
71) Bromoform	10.87	173	13095	5.462	ug/l #	96
73) Isopropylbenzene	11.21	105	117442	6.329	ug/l	97
74) N-amyl acetate	11.44	43	36095	3.817	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.76	83	20190	3.291	ug/l	98
76) 1,2,3-Trichloropropane	11.86	75	13810	2.605	ug/l #	64
77) Bromobenzene	11.57	156	24130	5.290	ug/l	96
78) n-propylbenzene	11.66	91	131907	6.348	ug/l	97
79) 2-Chlorotoluene	11.79	91	74821	5.922	ug/l	98
80) 1,3,5-Trimethylbenzene	11.89	105	101395	6.538	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.93	75	7565m	3.646	ug/l	
82) 4-Chlorotoluene	11.97	91	75424	5.309	ug/l	99
83) tert-Butylbenzene	12.19	119	101565	6.707	ug/l	98
84) 1,2,4-Trimethylbenzene	12.26	105	100385	6.436	ug/l	95
85) sec-Butylbenzene	12.36	105	134698	7.342	ug/l	98
86) p-Isopropyltoluene	12.51	119	114573	6.923	ug/l	98
87) 1,3-Dichlorobenzene	12.53	146	49541	6.191	ug/l	98
88) 1,4-Dichlorobenzene	12.62	146	46925	5.797	ug/l	94
89) n-Butylbenzene	12.89	91	119741	7.880	ug/l	97
90) Hexachloroethane	12.96	117	27889	9.190	ug/l	93
91) 1,2-Dichlorobenzene	12.99	146	47890	6.066	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.68	75	4376	3.170	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	38871	6.665	ug/l	98
94) Hexachlorobutadiene	14.22	225	24410	7.786	ug/l	99
95) Naphthalene	14.49	128	65222	3.800	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	35899	6.199	ug/l	99

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

