

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052819\
 Data File : VF062755.D
 Acq On : 28 May 2019 12:37
 Operator : FY/SY
 Sample : VF0528SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/29/2019 11:01:56 AM

Quant Time: May 29 01:59:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	585947	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	876698	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	626496	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	291664	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.06	65	119847	28.94	ug/l	0.02
Spiked Amount	50.000		Recovery	=	57.88%	
35) Dibromofluoromethane	4.33	113	286838	42.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.52%	
50) Toluene-d8	7.73	98	710787	44.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.76%	
62) 4-Bromofluorobenzene	11.50	95	240559	39.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	168972	21.191	ug/l	99
3) Chloromethane	1.13	50	143385	19.529	ug/l	93
4) Vinyl Chloride	1.19	62	141447	20.929	ug/l	93
5) Bromomethane	1.37	94	80562	21.789	ug/l	93
6) Chloroethane	1.45	64	57872	23.315	ug/l #	77
7) Trichlorofluoromethane	1.55	101	228058	25.131	ug/l	85
8) Diethyl Ether	1.71	74	27321	15.197	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.91	101	141894	24.556	ug/l	97
10) Methyl Iodide	1.98	142	246143	21.685	ug/l	95
11) Tert butyl alcohol	2.71	59	16284	59.569	ug/l #	46
12) 1,1-Dichloroethene	1.87	96	125640	23.869	ug/l #	90
13) Acrolein	2.11	56	14223	49.843	ug/l	94
14) Allyl chloride	2.21	41	123913	26.010	ug/l	92
15) Acrylonitrile	3.10	53	55366	71.800	ug/l #	86
16) Acetone	2.36	43	54019	50.288	ug/l	93
17) Carbon Disulfide	1.89	76	373315	23.928	ug/l	95
18) Methyl Acetate	2.47	43	24868	14.732	ug/l	99
19) Methyl tert-butyl Ether	2.56	73	142076	15.099	ug/l #	86
20) Methylene Chloride	2.30	84	102342	19.007	ug/l	92
21) trans-1,2-Dichloroethene	2.44	96	110623	21.502	ug/l	89
22) Diisopropyl ether	2.95	45	201561	17.155	ug/l	97
23) Vinyl Acetate	3.36	43	477683	60.267	ug/l	98
24) 1,1-Dichloroethane	3.03	63	178806	20.744	ug/l	99
25) 2-Butanone	4.54	43	91515	39.875	ug/l #	89
26) 2,2-Dichloropropane	3.79	77	157160	31.866	ug/l	98
27) cis-1,2-Dichloroethene	3.67	96	170930	20.198	ug/l	92
28) Bromochloromethane	3.92	49	70366	14.556	ug/l	83
29) Tetrahydrofuran	4.29	42	52846	56.902	ug/l #	90
30) Chloroform	4.07	83	250882	20.964	ug/l	95
31) Cyclohexane	3.89	56	276060	23.853	ug/l	95
32) 1,1,1-Trichloroethane	4.31	97	205220	25.821	ug/l	98
36) 1,1-Dichloropropene	4.49	75	196507	21.874	ug/l	97
37) Ethyl Acetate	4.33	43	44688m	12.183	ug/l	
38) Carbon Tetrachloride	4.21	117	202436	29.963	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	296336	27.415	ug/l	97
40) Benzene	4.84	78	566572	23.151	ug/l	99
41) Methacrylonitrile	4.96	41	23591	12.268	ug/l #	87
42) 1,2-Dichloroethane	5.15	62	82388	16.881	ug/l	99
43) Isopropyl Acetate	7.13	43	50248	10.574	ug/l	91
44) Trichloroethene	5.71	130	152413	22.158	ug/l	86
45) 1,2-Dichloropropane	6.43	63	116806	18.907	ug/l	95
46) Dibromomethane	6.28	93	59323	16.615	ug/l	95
47) Bromodichloromethane	6.57	83	138195	18.644	ug/l	99
48) Methyl methacrylate	6.89	41	25143	10.123	ug/l	94
49) 1,4-Dioxane	6.89	88	7676	241.292	ug/l #	82
51) 4-Methyl-2-Pentanone	8.42	43	195191	60.093	ug/l	93
52) Toluene	7.80	92	290911	22.666	ug/l	93
53) t-1,3-Dichloropropene	8.44	75	97386	16.060	ug/l	89
54) cis-1,3-Dichloropropene	7.47	75	157338	18.535	ug/l	95
55) 1,1,2-Trichloroethane	8.65	97	57294	15.076	ug/l	91
56) Ethyl methacrylate	8.77	69	62119	13.720	ug/l	96
57) 1,3-Dichloropropane	9.01	76	103030	15.917	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.46	63	89625	60.816	ug/l	92
59) 2-Hexanone	9.64	43	129629	46.855	ug/l	97
60) Dibromochloromethane	8.87	129	86238	17.411	ug/l	96
61) 1,2-Dibromoethane	9.15	107	63569	15.749	ug/l	97
64) Tetrachloroethene	8.32	164	128137	25.817	ug/l	93
65) Chlorobenzene	9.95	112	275383	22.380	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.07	131	117260	23.738	ug/l	98
67) Ethyl Benzene	10.04	91	542417	25.375	ug/l	99
68) m/p-Xylenes	10.27	106	400859	49.894	ug/l	84
69) o-Xylene	10.83	106	195299	23.600	ug/l	98
70) Styrene	10.90	104	262761	20.891	ug/l	99
71) Bromoform	10.89	173	40150	16.229	ug/l #	96
73) Isopropylbenzene	11.23	105	588141	28.135	ug/l	96
74) N-amyl acetate	11.45	43	79129	10.628	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	11.78	83	68563	16.049	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	41004	14.608	ug/l	93
77) Bromobenzene	11.59	156	109946	21.159	ug/l	89
78) n-propylbenzene	11.68	91	704956	28.495	ug/l	91
79) 2-Chlorotoluene	11.81	91	347478	24.923	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	447446	26.694	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.95	75	16448	13.182	ug/l #	90
82) 4-Chlorotoluene	11.98	91	331592	24.118	ug/l	90
83) tert-Butylbenzene	12.20	119	477442	28.075	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	406572	25.061	ug/l	88
85) sec-Butylbenzene	12.38	105	656387	28.761	ug/l	97
86) p-Isopropyltoluene	12.53	119	521112	27.094	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	211909	22.542	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	196762	22.304	ug/l	96
89) n-Butylbenzene	12.90	91	537284	28.333	ug/l	90
90) Hexachloroethane	12.98	117	127678	27.673	ug/l	81
91) 1,2-Dichlorobenzene	13.00	146	175001	20.884	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.70	75	7562	14.838	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	118035	19.678	ug/l	96
94) Hexachlorobutadiene	14.23	225	111517	26.640	ug/l	93
95) Naphthalene	14.50	128	133448	12.246	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	95536	16.815	ug/l	96

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

