

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV011819\
 Data File : VV009221.D
 Acq On : 18 Jan 2019 15:33
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00 G/5ML/MSVOA V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 1/21/2019 10:45:09 AM

Quant Time: Jan 19 03:14:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\82V011819S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 19 02:50:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.73	168	91526	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.66	114	162920	50.00	ug/l	0.00
63) Chlorobenzene-d5	8.89	117	149194	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.30	152	71408	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.07	65	6402	5.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.46%	
35) Dibromofluoromethane	4.64	113	5250	4.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.82%	
50) Toluene-d8	7.36	98	20748	5.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.24%	
62) 4-Bromofluorobenzene	10.12	95	7659	4.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.72%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	4334	6.132	ug/l 89
3) Chloromethane	1.25	50	5602	5.589	ug/l 99
4) Vinyl Chloride	1.33	62	5219	5.299	ug/l 91
5) Bromomethane	1.53	94	3824	5.936	ug/l 94
6) Chloroethane	1.60	64	3407	5.540	ug/l 94
7) Trichlorofluoromethane	1.76	101	3232	5.641	ug/l 95
8) Diethyl Ether	1.96	74	2530	5.288	ug/l 77
9) 1,1,2-Trichlorotrifluoroet	2.14	101	5143	5.780	ug/l 97
10) Methyl Iodide	2.25	142	7860	5.479	ug/l 99
11) Tert butyl alcohol	2.66	59	3377	47.598	ug/l # 85
12) 1,1-Dichloroethene	2.14	96	4963	5.792	ug/l 96
13) Acrolein	2.06	56	1735	29.801	ug/l 96
14) Allyl chloride	2.42	41	8756	5.665	ug/l 97
15) Acrylonitrile	2.76	53	5361	26.715	ug/l 97
16) Acetone	2.18	43	8913	35.376	ug/l 98
17) Carbon Disulfide	2.31	76	14596	5.501	ug/l 99
18) Methyl Acetate	2.45	43	4242	6.410	ug/l 97
19) Methyl tert-butyl Ether	2.80	73	7583	5.414	ug/l 100
20) Methylene Chloride	2.53	84	7399	7.570	ug/l 97
21) trans-1,2-Dichloroethene	2.78	96	5459	5.774	ug/l 95
22) Diisopropyl ether	3.33	45	18363	5.218	ug/l 93
23) Vinyl Acetate	3.30	43	46082	24.070	ug/l 100
24) 1,1-Dichloroethane	3.22	63	11678	5.638	ug/l 97
25) 2-Butanone	4.02	43	8023	25.381	ug/l 97
26) 2,2-Dichloropropane	3.94	77	5228	4.524	ug/l 96
27) cis-1,2-Dichloroethene	3.95	96	6398	5.284	ug/l 98
28) Bromochloromethane	4.28	49	3926	4.513	ug/l # 98
29) Tetrahydrofuran	4.39	42	4590	24.250	ug/l 95
30) Chloroform	4.42	83	12223	5.600	ug/l 91
31) Cyclohexane	4.72	56	12379	7.003	ug/l # 87
32) 1,1,1-Trichloroethane	4.65	97	9768	5.520	ug/l 98
36) 1,1-Dichloropropene	4.87	75	9248	5.814	ug/l 95
37) Ethyl Acetate	4.12	43	3437	5.111	ug/l # 75
38) Carbon Tetrachloride	4.87	117	8774	5.412	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.17	83	10072	5.269	ug/l	99
40) Benzene	5.14	78	25457	5.502	ug/l	98
41) Methacrylonitrile	4.31	41	1872	4.749	ug/l #	77
42) 1,2-Dichloroethane	5.17	62	8259	5.324	ug/l	99
43) Isopropyl Acetate	5.33	43	6335	4.812	ug/l	97
44) Trichloroethene	5.96	130	6412	5.511	ug/l	97
45) 1,2-Dichloropropane	6.22	63	5831	5.048	ug/l	94
46) Dibromomethane	6.35	93	3074	5.039	ug/l	98
47) Bromodichloromethane	6.55	83	8122	5.016	ug/l #	89
48) Methyl methacrylate	6.42	41	3490	5.052	ug/l	92
49) 1,4-Dioxane	6.42	88	709	86.441	ug/l #	88
51) 4-Methyl-2-Pentanone	7.27	43	16634	24.165	ug/l	99
52) Toluene	7.43	92	15542	5.298	ug/l	100
53) t-1,3-Dichloropropene	7.69	75	7905	4.978	ug/l	93
54) cis-1,3-Dichloropropene	7.07	75	8504	4.635	ug/l	92
55) 1,1,2-Trichloroethane	7.88	97	4076	4.991	ug/l	96
56) Ethyl methacrylate	7.83	69	4505	4.389	ug/l	92
57) 1,3-Dichloropropane	8.05	76	7825	5.081	ug/l	98
59) 2-Hexanone	8.19	43	12909	26.159	ug/l	96
60) Dibromochloromethane	8.29	129	4638	4.612	ug/l	94
61) 1,2-Dibromoethane	8.40	107	4093	5.014	ug/l	99
64) Tetrachloroethene	8.02	164	5134	5.548	ug/l	97
65) Chlorobenzene	8.93	112	17697	5.636	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.02	131	5563	4.989	ug/l	94
67) Ethyl Benzene	9.05	91	30250	5.343	ug/l	98
68) m/p-Xylenes	9.18	106	22154	10.488	ug/l	99
69) o-Xylene	9.59	106	9766	4.818	ug/l	89
70) Stvrene	9.60	104	16128	4.851	ug/l	95
71) Bromoform	9.77	173	2413	4.471	ug/l #	97
73) Isopropylbenzene	9.97	105	28711	5.403	ug/l	99
74) N-amyl acetate	9.84	43	5385	4.768	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.29	83	4848	5.126	ug/l	98
76) 1,2,3-Trichloropropane	10.32	75	4041m	5.662	ug/l	
77) Bromobenzene	10.26	156	6471	5.576	ug/l	95
78) n-propylbenzene	10.40	91	34913	5.501	ug/l	98
79) 2-Chlorotoluene	10.47	91	22909	6.047	ug/l	93
80) 1,3,5-Trimethylbenzene	10.59	105	24183	5.349	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.05	75	1136	4.183	ug/l	86
82) 4-Chlorotoluene	10.58	91	26554	5.819	ug/l	96
83) tert-Butylbenzene	10.91	119	23439	5.472	ug/l	99
84) 1,2,4-Trimethylbenzene	10.96	105	25453	5.506	ug/l	99
85) sec-Butylbenzene	11.13	105	30472	5.536	ug/l	98
86) p-Isopropyltoluene	11.29	119	26493	5.415	ug/l	97
87) 1,3-Dichlorobenzene	11.23	146	13653	5.817	ug/l	99
88) 1,4-Dichlorobenzene	11.32	146	14101	5.953	ug/l	94
89) n-Butylbenzene	11.70	91	27344	5.693	ug/l	99
90) Hexachloroethane	11.95	117	4489	5.002	ug/l	99
91) 1,2-Dichlorobenzene	11.69	146	12262	5.809	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.48	75	786	4.743	ug/l	93
93) 1,2,4-Trichlorobenzene	13.31	180	8489	6.045	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.50	225	4935	6.138	ug/l	96
95) Naphthalene	13.56	128	14526	5.742	ug/l	99
96) 1,2,3-Trichlorobenzene	13.80	180	7221	5.833	ug/l	96

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

