

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052019\
 Data File : VD062454.D
 Acq On : 20 May 2019 13:56
 Operator : FY/SY
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: May 20 16:55:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 20 16:04:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	712662	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	963239	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	822160	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	408183	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	33812	5.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.22%	
35) Dibromofluoromethane	6.94	113	41062	5.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.28%	
50) Toluene-d8	10.43	98	89116	4.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	9.24%	
62) 4-Bromofluorobenzene	13.57	95	39595	5.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	52658	7.726	ug/l	100
3) Chloromethane	1.76	50	31988	6.495	ug/l	96
4) Vinyl Chloride	1.86	62	28863	5.963	ug/l	97
5) Bromomethane	2.16	94	13504	11.907	ug/l	89
6) Chloroethane	2.28	64	14709	7.242	ug/l #	85
7) Trichlorofluoromethane	2.54	101	68452	7.274	ug/l	91
8) Diethyl Ether	2.89	74	9471	5.219	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.15	101	38137	5.357	ug/l #	93
10) Methyl Iodide	3.31	142	43028	3.999	ug/l #	76
11) Tert butyl alcohol	4.10	59	9411	27.838	ug/l #	85
12) 1,1-Dichloroethene	3.13	96	28665	5.275	ug/l	86
13) Acrolein	3.05	56	8317	23.786	ug/l	100
14) Allyl chloride	3.63	41	42287	5.352	ug/l #	66
15) Acrylonitrile	4.21	53	22006	24.765	ug/l	87
16) Acetone	3.23	43	39191	28.218	ug/l #	80
17) Carbon Disulfide	3.38	76	83011	5.310	ug/l	97
18) Methyl Acetate	3.66	43	12565	4.612	ug/l #	80
19) Methyl tert-butyl Ether	4.26	73	62991	5.408	ug/l	96
20) Methylene Chloride	3.82	84	58468	10.082	ug/l	93
21) trans-1,2-Dichloroethene	4.23	96	32354	5.351	ug/l	91
22) Diisopropyl ether	5.13	45	84216	5.009	ug/l #	87
23) Vinyl Acetate	5.07	43	253998	28.633	ug/l	99
24) 1,1-Dichloroethane	5.00	63	56701	5.590	ug/l	97
25) 2-Butanone	6.10	43	37550	24.786	ug/l	99
26) 2,2-Dichloropropane	6.04	77	62738	6.210	ug/l	84
27) cis-1,2-Dichloroethene	6.06	96	34406	5.083	ug/l	93
28) Bromochloromethane	6.46	49	18832	4.719	ug/l #	79
29) Tetrahydrofuran	6.49	42	18500	26.503	ug/l #	89
30) Chloroform	6.69	83	71741	5.869	ug/l	96
31) Cyclohexane	6.96	56	36649	5.274	ug/l	94
32) 1,1,1-Trichloroethane	6.88	97	72908	6.310	ug/l	96
36) 1,1-Dichloropropene	7.16	75	50765	6.428	ug/l	92
37) Ethyl Acetate	6.20	43	19843	5.925	ug/l #	80
38) Carbon Tetrachloride	7.13	117	70970	6.493	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	40251	5.319	ug/l	97
40) Benzene	7.47	78	97291	5.455	ug/l	99
41) Methacrylonitrile	6.48	41	24845	6.070	ug/l #	69
42) 1,2-Dichloroethane	7.59	62	51678	6.839	ug/l	86
43) Isopropyl Acetate	9.26	43	23270	4.899	ug/l	97
44) Trichloroethene	8.56	130	36375	5.353	ug/l	78
45) 1,2-Dichloropropane	8.96	63	22519	5.105	ug/l	97
46) Dibromomethane	9.08	93	20764	5.788	ug/l	91
47) Bromodichloromethane	9.39	83	51737	5.896	ug/l	94
48) Methyl methacrylate	9.14	41	17163	5.866	ug/l #	77
49) 1,4-Dioxane	9.11	88	2628	83.248	ug/l #	63
51) 4-Methyl-2-Pentanone	10.32	43	79680	26.096	ug/l	91
52) Toluene	10.53	92	63532	5.475	ug/l	99
53) t-1,3-Dichloropropene	10.93	75	42945	5.663	ug/l	100
54) cis-1,3-Dichloropropene	10.05	75	42067	5.085	ug/l #	83
55) 1,1,2-Trichloroethane	11.20	97	22084	5.379	ug/l	93
56) Ethyl methacrylate	11.06	69	23027	5.397	ug/l #	88
57) 1,3-Dichloropropane	11.42	76	35382	5.704	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.88	63	58669	25.176	ug/l	97
59) 2-Hexanone	11.55	43	59797	26.571	ug/l	93
60) Dibromochloromethane	11.70	129	41573	5.859	ug/l	95
61) 1,2-Dibromoethane	11.81	107	27270	5.463	ug/l	93
64) Tetrachloroethene	11.27	164	34414	5.353	ug/l	88
65) Chlorobenzene	12.40	112	79740	5.207	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	36755	5.515	ug/l	92
67) Ethyl Benzene	12.53	91	134261	5.237	ug/l	96
68) m/p-Xylenes	12.68	106	101320	10.863	ug/l	81
69) o-Xylene	13.05	106	46308	5.340	ug/l	77
70) Styrene	13.08	104	84982	5.785	ug/l	98
71) Bromoform	13.24	173	23490	5.066	ug/l #	92
73) Isopropylbenzene	13.41	105	135400	5.534	ug/l	95
74) N-amyl acetate	13.27	43	35773	5.577	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	26711	5.767	ug/l	96
76) 1,2,3-Trichloropropane	13.74	75	25047	5.163	ug/l	100
77) Bromobenzene	13.67	156	39598	5.781	ug/l	86
78) n-propylbenzene	13.78	91	165497	5.670	ug/l	96
79) 2-Chlorotoluene	13.85	91	97625	5.840	ug/l	95
80) 1,3,5-Trimethylbenzene	13.94	105	119275	5.789	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.48	75	7597	5.548	ug/l #	63
82) 4-Chlorotoluene	13.95	91	113351	5.762	ug/l	78
83) tert-Butylbenzene	14.20	119	128039	5.529	ug/l	90
84) 1,2,4-Trimethylbenzene	14.24	105	129494	6.263	ug/l	88
85) sec-Butylbenzene	14.37	105	128550	5.063	ug/l	92
86) p-Isopropyltoluene	14.50	119	128965	5.685	ug/l	92
87) 1,3-Dichlorobenzene	14.46	146	70011	5.595	ug/l	95
88) 1,4-Dichlorobenzene	14.54	146	68932	5.607	ug/l	96
89) n-Butylbenzene	14.81	91	124369	6.108	ug/l	96
90) Hexachloroethane	15.01	117	32752	5.309	ug/l	99
91) 1,2-Dichlorobenzene	14.82	146	61271	5.946	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	15.39	75	4283	5.633	ug/l	67

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	43204	5.760	ug/l	96
94) Hexachlorobutadiene	16.05	225	33690	6.039	ug/l	98
95) Naphthalene	16.13	128	64330	6.143	ug/l	97
96) 1,2,3-Trichlorobenzene	16.27	180	34872	7.395	ug/l	97

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

