

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012819\
 Data File : VD060791.D
 Acq On : 28 Jan 2019 15:13
 Operator : JC/SY
 Sample : VSTDIC005
 Misc : 5.00u/5ml/MSVOA D/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 1/29/2019 4:55:26 PM

Quant Time: Jan 29 13:22:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 29 12:47:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.81	168	580756	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.99	114	799735	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.16	117	671848	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.32	152	321684	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.22	65	48799	5.48	ug/l	0.00
Spiked Amount			Recovery	=	10.96%	
35) Dibromofluoromethane	6.69	113	42123	5.49	ug/l	0.02
Spiked Amount			Recovery	=	10.98%	
50) Toluene-d8	10.18	98	105176	5.87	ug/l	0.00
Spiked Amount			Recovery	=	11.74%	
62) 4-Bromofluorobenzene	13.35	95	51331	5.70	ug/l	0.00
Spiked Amount			Recovery	=	11.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	38933	5.514	ug/l	99
3) Chloromethane	1.78	50	25011	5.916	ug/l #	88
4) Vinyl Chloride	1.86	62	22659	5.049	ug/l	99
5) Bromomethane	2.15	94	8651	5.741	ug/l #	70
6) Chloroethane	2.26	64	9825	6.083	ug/l #	87
7) Trichlorofluoromethane	2.50	101	49069	5.555	ug/l	91
8) Diethyl Ether	2.82	74	6601	5.071	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.08	101	24922	5.567	ug/l	94
10) Methyl Iodide	3.23	142	22422	4.784	ug/l #	82
11) Tert butyl alcohol	3.94	59	9924	23.324	ug/l #	69
12) 1,1-Dichloroethene	3.06	96	17298	5.654	ug/l	87
13) Acrolein	2.97	56	4923	28.499	ug/l	93
14) Allyl chloride	3.52	41	43179	6.065	ug/l #	89
15) Acrylonitrile	4.05	53	23923	25.093	ug/l	92
16) Acetone	3.13	43	40985	31.994	ug/l	94
17) Carbon Disulfide	3.30	76	59760	5.515	ug/l	98
18) Methyl Acetate	3.54	43	15046	5.902	ug/l	93
19) Methyl tert-butyl Ether	4.10	73	68765	4.924	ug/l	97
20) Methylene Chloride	3.69	84	44194	6.742	ug/l	96
21) trans-1,2-Dichloroethene	4.07	96	27660	5.129	ug/l	93
22) Diisopropyl ether	4.90	45	97578	5.319	ug/l #	91
23) Vinyl Acetate	4.84	43	256291	24.260	ug/l	99
24) 1,1-Dichloroethane	4.78	63	63841	5.316	ug/l #	96
25) 2-Butanone	5.85	43	39569	24.040	ug/l	95
26) 2,2-Dichloropropane	5.80	77	74710	5.904	ug/l	96
27) cis-1,2-Dichloroethene	5.80	96	36976	6.020	ug/l	85
28) Bromochloromethane	6.22	49	25084	5.354	ug/l	94
29) Tetrahydrofuran	6.24	42	18383	23.257	ug/l	98
30) Chloroform	6.42	83	73511	5.179	ug/l	86
31) Cyclohexane	6.72	56	45278	5.541	ug/l	98
32) 1,1,1-Trichloroethane	6.64	97	75352	5.512	ug/l	95
36) 1,1-Dichloropropene	6.92	75	55259	5.787	ug/l	86
37) Ethyl Acetate	5.95	43	24348	5.712	ug/l #	90
38) Carbon Tetrachloride	6.88	117	64624	5.397	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	8.64	83	43381	5.425	ug/l	96
40) Benzene	7.23	78	109973	5.835	ug/l	93
41) Methacrylonitrile	6.22	41	14411m	5.142	ug/l	
42) 1,2-Dichloroethane	7.35	62	55500	5.069	ug/l	97
43) Isopropyl Acetate	9.01	43	28187	5.070	ug/l	93
44) Trichloroethene	8.30	130	35135	5.500	ug/l	85
45) 1,2-Dichloropropane	8.71	63	25767	5.051	ug/l #	87
46) Dibromomethane	8.83	93	19388	4.896	ug/l	93
47) Bromodichloromethane	9.15	83	55702	5.211	ug/l #	97
48) Methyl methacrylate	8.89	41	21299	5.556	ug/l #	85
49) 1,4-Dioxane	8.85	88	2170	73.008	ug/l	94
51) 4-Methyl-2-Pentanone	10.09	43	96353	26.763	ug/l	99
52) Toluene	10.29	92	71415	5.974	ug/l	98
53) t-1,3-Dichloropropene	10.70	75	49100	5.222	ug/l #	88
54) cis-1,3-Dichloropropene	9.82	75	50291	5.216	ug/l	93
55) 1,1,2-Trichloroethane	10.97	97	20849	5.115	ug/l	98
56) Ethyl methacrylate	10.82	69	26158	5.298	ug/l	90
57) 1,3-Dichloropropane	11.19	76	35488	5.095	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.63	63	77331	29.851	ug/l	92
59) 2-Hexanone	11.33	43	68872	25.442	ug/l	100
60) Dibromochloromethane	11.47	129	36491	4.980	ug/l	88
61) 1,2-Dibromoethane	11.59	107	24721	5.150	ug/l	96
64) Tetrachloroethene	11.04	164	30484	4.944	ug/l	98
65) Chlorobenzene	12.19	112	85685	5.581	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.31	131	35300	5.352	ug/l	93
67) Ethyl Benzene	12.32	91	163461	5.921	ug/l	99
68) m/p-Xylenes	12.46	106	107162	11.931	ug/l	100
69) o-Xylene	12.84	106	50437	5.673	ug/l	95
70) Styrene	12.87	104	86324	5.791	ug/l	94
71) Bromoform	13.03	173	23295	4.687	ug/l	93
73) Isopropylbenzene	13.21	105	155936	6.080	ug/l	98
74) N-amyl acetate	13.07	43	41027	5.203	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	13.50	83	24994	5.352	ug/l	94
76) 1,2,3-Trichloropropane	13.53	75	30428	5.158	ug/l	97
77) Bromobenzene	13.47	156	37327	5.662	ug/l	87
78) n-propylbenzene	13.57	91	181210	5.628	ug/l	99
79) 2-Chlorotoluene	13.64	91	115186	5.865	ug/l	98
80) 1,3,5-Trimethylbenzene	14.04	105	129779	5.878	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.27	75	7327	4.764	ug/l #	88
82) 4-Chlorotoluene	13.75	91	120865	5.538	ug/l	96
83) tert-Butylbenzene	13.99	119	138003	5.974	ug/l	93
84) 1,2,4-Trimethylbenzene	14.04	105	129779	5.878	ug/l	96
85) sec-Butylbenzene	14.17	105	157349	5.984	ug/l	93
86) p-Isopropyltoluene	14.29	119	116751	5.469	ug/l	98
87) 1,3-Dichlorobenzene	14.26	146	70276	5.959	ug/l	94
88) 1,4-Dichlorobenzene	14.34	146	63249	5.520	ug/l	96
89) n-Butylbenzene	14.60	91	131179	5.889	ug/l	97
90) Hexachloroethane	14.81	117	35900	5.651	ug/l	91
91) 1,2-Dichlorobenzene	14.61	146	58193	5.945	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.18	75	5274	4.754	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.75	180	47058	5.552	ug/l	95
94) Hexachlorobutadiene	15.84	225	35785	5.627	ug/l	97
95) Naphthalene	15.93	128	67050	5.149	ug/l	99
96) 1,2,3-Trichlorobenzene	16.08	180	39968	5.423	ug/l	87

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

