

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092619\
 Data File : VY000144.D
 Acq On : 26 Sep 2019 11:12
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 10/2/2019 9:12:52 AM

Quant Time: Sep 26 14:11:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y092619S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 26 14:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	202197	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	335131	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	291940	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	138903	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	34919	19.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.44%	
35) Dibromofluoromethane	7.72	113	35951	20.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.96%	
50) Toluene-d8	10.18	98	137029	18.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.90%	
62) 4-Bromofluorobenzene	12.48	95	55895	20.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	34809	21.657	ug/l	91
3) Chloromethane	2.11	50	44756	19.082	ug/l	92
4) Vinyl Chloride	2.24	62	52106	20.678	ug/l	98
5) Bromomethane	2.62	94	34210	20.134	ug/l	96
6) Chloroethane	2.77	64	31688	20.257	ug/l	97
7) Trichlorofluoromethane	3.11	101	61610	20.284	ug/l	97
8) Diethyl Ether	3.52	74	24289	20.058	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.90	101	38747	19.543	ug/l	99
10) Methyl Iodide	4.08	142	59461	19.451	ug/l	99
11) Tert butyl alcohol	4.96	59	16001	90.447	ug/l	96
12) 1,1-Dichloroethene	3.86	96	41452	19.937	ug/l	93
13) Acrolein	3.73	56	20015	91.101	ug/l	100
14) Allyl chloride	4.47	41	52305	20.103	ug/l	98
15) Acrylonitrile	5.17	53	51200	92.968	ug/l	95
16) Acetone	3.95	43	37154	85.631	ug/l	91
17) Carbon Disulfide	4.18	76	129017	20.005	ug/l	98
18) Methyl Acetate	4.47	43	24284	18.911	ug/l	97
19) Methyl tert-butyl Ether	5.22	73	93369	18.969	ug/l	95
20) Methylene Chloride	4.72	84	50054	19.975	ug/l	93
21) trans-1,2-Dichloroethene	5.21	96	46081	19.892	ug/l	91
22) Diisopropyl ether	6.12	45	106974	19.564	ug/l	97
23) Vinyl Acetate	6.07	43	309971	90.457	ug/l	100
24) 1,1-Dichloroethane	6.02	63	65146	19.682	ug/l	99
25) 2-Butanone	6.99	43	58144	85.530	ug/l	96
26) 2,2-Dichloropropane	6.99	77	57662	19.159	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	50119	19.468	ug/l	96
28) Bromochloromethane	7.34	49	22709	18.008	ug/l	100
29) Tetrahydrofuran	7.35	42	38167	91.073	ug/l	99
30) Chloroform	7.51	83	66796	19.281	ug/l	97
31) Cyclohexane	7.78	56	66298	19.374	ug/l	91
32) 1,1,1-Trichloroethane	7.71	97	58446	19.241	ug/l	99
36) 1,1-Dichloropropene	7.92	75	53822	19.326	ug/l	98
37) Ethyl Acetate	7.08	43	25971	17.653	ug/l #	93
38) Carbon Tetrachloride	7.90	117	53262	19.590	ug/l #	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	77134	19.527	ug/l	92
40) Benzene	8.16	78	175179	19.912	ug/l	98
41) Methacrylonitrile	7.32	41	12842m	16.099	ug/l	
42) 1,2-Dichloroethane	8.24	62	40432	18.889	ug/l	97
43) Isopropyl Acetate	8.28	43	48317	17.779	ug/l	98
44) Trichloroethene	8.94	130	55765	19.836	ug/l	95
45) 1,2-Dichloropropane	9.22	63	39003	20.097	ug/l	96
46) Dibromomethane	9.31	93	22305	18.832	ug/l	98
47) Bromodichloromethane	9.50	83	52060	19.500	ug/l	99
48) Methyl methacrylate	9.30	41	20556	16.892	ug/l	96
49) 1,4-Dioxane	9.30	88	6374	348.337	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	123330	87.433	ug/l	98
52) Toluene	10.24	92	114487	20.094	ug/l	96
53) t-1,3-Dichloropropene	10.47	75	54488	19.430	ug/l	95
54) cis-1,3-Dichloropropene	9.93	75	66201	19.920	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	32697	18.566	ug/l	93
56) Ethyl methacrylate	10.51	69	41613	18.165	ug/l	98
57) 1,3-Dichloropropane	10.79	76	54927	19.409	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	101062	93.926	ug/l	100
59) 2-Hexanone	10.83	43	86745	86.525	ug/l	98
60) Dibromochloromethane	10.99	129	38020	19.098	ug/l	97
61) 1,2-Dibromoethane	11.09	107	32913	19.585	ug/l	99
64) Tetrachloroethene	10.72	164	56609	19.574	ug/l	96
65) Chlorobenzene	11.52	112	117145	19.282	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	41058	20.000	ug/l	99
67) Ethyl Benzene	11.59	91	201532	19.406	ug/l	98
68) m/p-Xylenes	11.70	106	167271	39.843	ug/l	99
69) o-Xylene	12.03	106	76420	19.086	ug/l	98
70) Styrene	12.04	104	130419	19.247	ug/l	99
71) Bromoform	12.21	173	21396	17.736	ug/l	# 96
73) Isopropylbenzene	12.33	105	196786	19.636	ug/l	99
74) N-amyl acetate	12.14	43	43741	18.031	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	27983	17.938	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	27959m	20.435	ug/l	
77) Bromobenzene	12.60	156	48971	19.780	ug/l	97
78) n-propylbenzene	12.67	91	236663	19.810	ug/l	100
79) 2-Chlorotoluene	12.75	91	129620	19.941	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	164092	19.683	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	12595	17.955	ug/l	95
82) 4-Chlorotoluene	12.85	91	134610	19.875	ug/l	95
83) tert-Butylbenzene	13.07	119	143271	19.957	ug/l	100
84) 1,2,4-Trimethylbenzene	13.11	105	166999	19.822	ug/l	97
85) sec-Butylbenzene	13.25	105	202985	19.693	ug/l	99
86) p-Isopropyltoluene	13.36	119	182504	19.883	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	94323	19.884	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	92516	19.592	ug/l	99
89) n-Butylbenzene	13.69	91	173140	19.849	ug/l	98
90) Hexachloroethane	13.95	117	33331	19.221	ug/l	100
91) 1,2-Dichlorobenzene	13.73	146	82637	19.066	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	5238	17.018	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	59437	19.765	ug/l	99
94) Hexachlorobutadiene	15.11	225	28280	19.274	ug/l	96
95) Naphthalene	15.23	128	121370	18.025	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	51923	19.252	ug/l	99

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

